1838 to 1844.

PHYSICAL AND METEOROLOGICAL JOURNAL

THW
04

His grace - Archbishop of Dublin -
Professor Daubeney, Ashmolean Society, Oxford
Professor Powell - Do - Do
Revd Ralph Berners - Erwarton, Suffolk, died Feb. 1858. aged 54
R. H. Harris Esqr - Botesdale, Do. - died Feb 4. 1860 aged 69. -
Revd J. S. Henslow, Hitcham, Do. - died May 16. 1861 aged 66.
J. P. Espy Esqr - Glasgow & elsewhere. -
Mr John Hearsum - Ipswich. - died May 26. 1863 aged 74.

List of Meteorological Brethren. {beginning above with the names since prefixed. -}
John Henry Maverly Esqr - Gosport. died May 3. 1860 aged 77.
Thomas Pallant Esqr - Redgrave. died Oct 22. 1842.
W. H. B. Webster Esqr. R.N. Ipswich.
Revd E. Frere - Finningham. - died July 23. 1841. -
Mr Utting - Yarmouth.
W. Cary - Strand London.
(C. L. Prince Esq. Uckfield Sussex
William Rogerson Esq. 19 George Street - Greenwich - who died April 26. 1855 - aged 56.)
Society at Royal Observatory. W. H. White Esqr - Walworth.
— Mr - Andrews. Royston, Herts - died Jan 26. 1820 (aged 76.
— Mr - Squire. Epping. Essex. died May 5. 1862 (aged 86.
Mr Chas Henry Adams, Edmonton. Middlesex.
(late John Adams.)
— Mr S. L. Bransby (late J. Bransby) Ipswich.
followed up by every means of the extension of the science, by O Whistlecraft, Thwaite.

First correspondence with T Pallant Esqr in Oct. 1837. -
visits to Mr Pallant, on the days below stated.

1838. June 2nd July 7th Augt 4th	1841. May 29th. the last visit to T. Pallant Esq
1839. Jany 14th June 26th July 19th Augt 24th	Thos Pallant Esqr died on Saturday Oct 22. 1842 - aged 69 yrs. - sincerely beloved and esteemed.
1840. Jany 7th June 19th July 10th Septr 26th	All his Meteorological Journals - from 1786 to 1842 - were presented to me - in September 1843 - and arrived safe on the 8th of Septr 1843. -
1841 May 29th	

Volume 4th, commencing 1838.

ROYAL METEOROLOGICAL SOCIETY
P
28 JUN. 93

METEOROLOGY,

— OR —

A correct daily Register

of the weather, state of the clouds, and all the changes of the atmosphere, reporting also the prevailing effects thereof on the Animal and vegetable Creation at the several Periods.

— by —

Orlando Whistlecraft.

— Thwaite, Suffolk, —

Student with Robt Hamilton, M.D. late of Ipswich and Amanuensis for the said Dr Hamilton, Decd.

Introductory Prologue & Explanation of the figures &c in the Columns of this Volume.

There is a twofold object, in the pursuit of the matter, which fills the following Pages; and such object it is here very proper to notice. I have often regretted that the Science of Meteorology should have (as it were) stood still, while others are on the March; and I still have to mourn the fewness of her votaries, although I hope some advancement has of late been making or at least may now be making in this most sublime, ever-amusing, and all-concerning Science. Our excellent Bishop, who has recently been elevated to the throne of the See of Norwich, stands among the most ardent advocates for it, and in this event we have reason to rejoice, while our Metropolitan Society of Meteorologists are we hope proving every aspirant in the work which it is their end to promote. How often do we hear the unlearned community expressing their distaste for the perusal of our notes on the weather, by saying that they "do not want to hear what's past." Let us ask them 'why then do they read a Newspaper, or book of history? Do they not bear testimony of the past? Yes but "little things please little minds", and in proof of this Adage they are pleased with the futile acts or doings of frail man (although past) as recorded in the Newspaper, or in History's page, but when a record of the mighty workings of the Creator of that frail man is shewn to them or read in their hearing, they reject it as if despicable, and with the heathenism of an Atheist, adding that they only want to hear what is to come. This leads us to name first one object & the greater object we have in view in the prosecution of our researches. It is this by noting the changes attendant on particular winds, and particular state of the Barometer &c at any one time we have somewhat of a rule whereby we may expect what will follow a recurrence of similar state of air & instruments at other times hence our main object is to judge some little of what is coming by referring to past workings of Natural agents. Thus then if a farmer studied what has passed he would better foresee what is coming, at least as far as we are permitted by A Just and Merciful God who holds the multitudes of worlds in his hand, and who (after all our seeming presumption) we are bound to confess has wisely reserved some part from us, for "his ways are past finding out".

But besides our object in recording the acts of Providence most Divine, in the atmospheric Phenomena, as by far more deserving such record than the empty exploits of his sinful creatures ever were or ever can be: besides I say the object of attaining a little judgement of the future; we have a second and not much inferior object which is the endless amusement it yields to us and the elevation of Soul it produces; drawing us nearer; in mental converse, to Him who rules the Storm, Guides the Spheres and bids the Waves "be still"!

There is also that connection between the atmosphere and Earth as to produce various effects on the Animal & Vegetable world, constituting the difference of Season between one year and another, and as various states of bodily health. In noting down these, I render my work a Physical Journal also: Thus in the steps of the late highly gifted Physician-

Robert Hamilton of Ipswich. I have endeavoured to show how often, by what means, and when certain disorders or diseases arise from the effects of outward agents or otherwise. Where in this mortal state are we to find a more pleasing and profitably useful employment than the following, what we term Nature — in all her annual rounds, or following and investigating, as we proceed, the stupendous and beautiful acts of the Almighty hand?

Next to the religion of the Saviour's Cross let this be our second pursuit, as holding us between Heaven and Earth, and suspending us in sublime meditation, above the dross, the gilded baits offered below: And let us remember the Psalmist's words.— "Trust ye in the Lord for ever, for in the Lord Jehovah is everlasting strength".— And the injunction of the wise.— "In all thy ways acknowledge him, and he shall direct thy Paths".

Explanation of the Work.

In the first column are the days of the week & of the month; in the 2nd the Barometer at different parts of each day, but generally morn & evening only: the general report occupies the centre of the page, and the Point of wind is noted by the letters in the 3rd column, while the Thermometer is stated by the figures in the right hand or remaining columns.

N.B. The figures (1.2.3.&c stand) with the point of wind, denote the different degrees of strength it blows. 0 for calm, 1 gentle, 2 fresh, 3 brisk, 4 boisterous, 5 strong, 6 very strong.

Orlando Whistlecraft, Scripsit.

Dec 28. 1837.

Phenomena of January 1838.

Days	State of Barometer morn, even &c.	Phenomena of January 1838.	Point of wind and force of ditto	Thermometer Lowest State	Thermometer Highest state
M. 1st.	30·12 30·04	Cloudy with sun, beautiful morning, more cloudy after 1 pm, little wet at 4, wind then brisker, but gentle before, and remarkably mild & fine, Clearer night.	SSE to SSW 1.–2.	41	46½
Tu. 2nd	30·02 29·90	Flying clouds & little wet at times, yet chiefly bright & pleasant, fresh wind; Thrush, finch &c singing these two days, and the buds of the lilack & currant, inclining to open; so mild is the weather.	SSE 2.	38	45½
W. 3rd	29·74 29·87	Cloudy & rain till near 9 am, then bright with a few clouds, & gentle wind, & mild.—	S. 1.	41	45
Th. 4.	30·09 30·20	Clear & frost, rocky cumuli skirt the East, & beautifully gilded by the rising sun, day very bright till 4 pm, cloudy at 5, clouds passing moon even., gentle wind all day.	S 1.	31½	44
Fr. 5.	30·34 30·36	Frost, fog & rime, fog all day, but the sun visible, calm wind. Sharp frost & fog night.	NW 0.	28½	34½
Sat. 6.	30·40 30·37	Fog & rime, sharp frost, day cloudy & thaw, perfect calm, Cloudy with moon between, even.—	NW 0.	27	35¾
Su. 7.	30·43 30·45	Cloudy with brisk and sharp wind, a few flakes of snow: boisterous & hard frost night.	NE 3.	32	34½
M. 8.	30·52 30·40	Very hard frost, snow at times, brisk & piercing wind, sun at intervals. Severe night.	NE 3.	26	30
Tu. 9.	30·35 30·31	Very severe frost, overcast & continual snow with fresh wind, very piercing: snowy night.	NE 2.	19½	21
W. 10.	30·19 30·09	Very severe frost, cloudy with continual snow, heavy at times, wind brisk & sharp.— The sun gleamed at 1 pm for a short time. Full moon 7½ pm — Snow several inches deep.	NE 3.	21	24
Th. 11.	30·09 30·13	Extremely severe frost, hazy & little snow at times, calm wind: severity [?] increased 4 pm — The much snow in the night past. (Therm.r 15° at ½ past 4 pm)	NW & NE 0.	17½	25

Phenomena of January 1838.

Days.	State of Barometer morn^g & even^g	Phenomena of January 1838.	Point of wind & strength	Thermometer Lowest.	Thermometer Highest.
F. 12.	30·40	Extremely severe frost, chiefly bright sun,			
	30·45	thin fleecy clouds, and calm wind, Fog &	N E &		
		rime after 6 pm, chiefly fog all night.	N W 0.	11	29
Sat. 13.	30·46	Cloudy with severe frost, few flakes of			
	30·35	snow, gentle wind & very piercing.	E. 1.	17	26
Su. 14.	30·17	Very severe still, at times cloudy and at			
	30·0	others bright, few flakes of snow, and	N W to		
		gentle wind. —— Brisk wind even^g.	N E 1.	21	26
M. 15.	29·90	Cloudy & gentle snow till 2 pm, severity con-			
	29·88	tinues, clearer after 3, gentle wind. Cloudy night.	N W 1.	17	28
Tu. 16.	29·99	Much snow early this morn^g, frost continues,			
	30·07	day hazy & thick with gentle snow, heavy snow	N W to		
		between 12 & 2. gentle wind, sometimes brisk.	N E 1. = 3.	23	28
	30·19	Severe frost & considerable snow in the night.			
W. 17.	30·31	Hazy & at times cloudy with heavy snow, and	N E &		
	30·35	continued frost, gentle wind. some sunshine.	N 1.	20	31
	30·28	Stormy night, frequent hail & snow, wind brisk.			
Th. 18.	30·21	Intense frost, overcast with snow at times,			
	30·13	bright intervals about 11, but more dull pm. and			
		wind boisterous & piercing. Night the same.	N E 3.–4.	19	22
F. 19.	29·93	Increased severity, cloudy with snow till			
	29·92	after 9 am, bright sun in the day, yet the frost			
	30·00	was unabated, with brisk piercing wind.	E. N E. 3.	16½	19.
Sat. 20.	30·07	Most violent severity of frost, clear above, haze			
		below on the horizon, calm wind, most severe at			
		sun-rise; great smarting of persons' ears, and the			
		humours & membranes of the nose became stiff at			
		the instant of going out doors, & great bodily dan-			
		ger on standing still. Very bright all day &			
	30·09	perfect calm, but still proportionably severe.	N W 0.	7	21
		A further account of this remarkable day			
		& night, carried up next page! Therm^r at Night —		2½	!

Phenomena of January 1838.

Days.	State of Barometer morn^g & evening	Phenomena of January 1838.	Point of wind & its force.	Thermometer Lowest.	Thermometer Highest.
		Saturday January 20th 1838, report continued.			
Sat. 20. night.	30·11	At 5 pm very clear^m & dead calm, wind & Thermometer	N W 0	11 degrees	
		At 8 pm clear above, haze below, & calm	N E. 0	5 do	
	30·08	At 9 pm the same; awfully severe to be exposed,			
The Dreadful Night !!		siezing the ears & nose at the instant of going out.	N E. 0	4 do	
		Clear midnight the extreme was attained, Therm^r.		2½ do!	
		Singular noises from the wheels of carriages on			
		the snow; the stars very brilliant. trees decked			
		with rime, & the cold beyond the Climate of England!			
Su. 21. morn^g.	30·07.	A great change since midnight, yet still severe,			
		rime on trees, fresh wind & veered to S ward; hazy cir-			
Noon	30·00	rostrati clouds, with sun. Therm^r in past night 2½° as			
		in the column, & this morn^g at 7 it was 14°. Frost abating.	S E. 2.	2½ to	
even^g.	29·94	Clear even^g, night more cloudy, brisk w^d. & less cold.		14	29
M. 22.	29·83	Lines of cirrostrati & cirrocumuli, red with rising			
		sun; frost abating. brisk wind. thaw commenced			
		at 9 a.m, thin grey clouds & sun at times. chiefly			
	29·89	bright after 12, gentle thaw continued even^g.	S.S.E. 3.	27½	39
Tu. 23.	29·89	Cloudy, little frost returned, brisk wind 8 a.m.	S E.	31	34
		Overcast & w^d veering. brisk gale at 9 & 10.	E.N.E. 3		32½
	29·88	Cloudy with some sun in the day. very brisk wind	E.		35
W. 24.	29·97	Strong gales all the night past, and continues			
	30·00	to day very boisterous & piercing, with severe			
	29·92	frost returned. snow at times. Less wind to night.	E.N.E. 4.	22	24½
Th. 25.	29·78.	Cloudy, and severe frost, fresh wind, very clou-			
	29·69	dy night, and uniform degree of frost.	E.N.E. 2.	22½	27
F. 26.	29·56	Very cloudy and gloomy, continued hard			
	29·49	frost, yet less severe, fresh wind. New moon 2 morn.	E.N.E. 2.	24	28
Sat. 27.	29·43	Very gloomy, all clouded, with frost, and gen-			
	29·45	tle wind, night the same.	E. 1.	27½	32
		Generally very gloomy for some days past,			
		and continued frost, yet less severe now.			

Days.	State of Barometer during evening &c. every variation	Phenomena of January 1838.	Point of Wind & force of wind	Thermometer Lowest point	Thermometer Highest point
Su. 28.	29·57	Overcast & continued frost little foggy,			
	29·64	gentle wind colder at 5 pm, night milder.	SE. 1.	28½	30
M. 29.	29·61	Overcast & sleet at 6 a.m., gentle thaw with			
	29·65	gleams of sun in the day, overcast and fog af			
	29·72	ter 2 pm, gentle wind, slow thaw all day.	S 1.	27	40½
Tu. 30.	29·76	Thick fog, increased all day, perfect calm	variable chiefly		
	29·80	but colder again, wd veering round.	NE. 0.	33	36
	29·85	Clearer night little wind from Eastward.			
W. 31.	29·93	Partly clear at 6 a.m. little frost. Overcast			
	30·00	after 7, and all day, wd fresh breeze.	NE. 2.	32	33½
		Frost at night again, brisk wind NE.			

Conclusive remarks on January 1838.

1. Physical Reports of the month.

Vegetation. On the 1st, 2nd, & 3rd there was an evident inclination to expand in the buds of some shrubs, especially Lilock & laburnum. Turnips sprouted, and the wheat plants were verdant. But after the 3rd, no further advance, but a complete stop, & which was more seasonable took place.

Diseases. Considering the time of year; and the intense cold we had but very little sickness & few Deaths about us; far different to the preceding winter! Common coughs, catarrhs rheumatic complaints &c were the only disorders; a few cases of Small Pox & 2 or 3 deaths from it, but these arose from an infection brought from the North of England.

Meteorological Report. Total rain only 1 tenth of an Inch: number of days tolerably fine – 20. Prevailg wind NE.

Barom.	Highest on 8th	30·52	Therm.	Highest on 1st 46½
	Lowest on 27th	29·43		Lowest on 20th 2½ !
	Range	1·09		Range 44
	Mean	29·975		Mean 24½

This month produced the most severe & continued frost (over nearly all Europe) known for many years past !!!

Days.	State of Barometer during each day.	Phenomena of Atmosphere in February 1838.	Point of Wind and force of it.	Thermometer Lowest State	Thermometer Highest State
Th. 1st.	30·18	Cloudy, hard frost; little snow at times, with			
	30·22	brisk wind. Sleet showers in the eveng & night.	NE. 3.	30	32
F. 2nd	30·39	Cloudy and frost, little sun in the day, and			
	30·43	thaw, gentle wind. Calm night & frost.	NNW 1.	30½	34
Sat 3rd	30·46	Frost, cloudy in part, more cloudy after 8 am			
	30·48	& thick snow, bright sun between 1 & 4 pm.	NNW 2.	28	36½
		Heavy snow & hail 4 & 5 pm, sharp frost & clear			
		er evening. Ground white with the new snow.			
Su. 4.	30·47	Severe frost, bright sun, wd NE. brisk & ve			
	30·46	ry keen, little hail fell about noon, no cloud visible.	NE. 3.	23	31
		very clear & sharp air, severe night. Thermr.		22	
M. 5.	30·41	Cloudy, less frost, little snow; thaw in the			
	30·39	day, gentle wind. Very dry & cold still.	NE. 1.	22½	37
Tu. 6.	30·24	Very clear all day, sharp frost morng &	E. &		
	30·02	night; brisk & keen wind. Clear evening.	ESE. 3.	27	37
	29·94	Lines of cirrocumuli in zenith 7 & 8 pm, sign of warmth.			
W. 7.	29·72	Sleet, rain & change early this morng, the whole			
	29·59	ground cased with ice, yet thawing above ground.			
	29·48	Hazy & cloudy in the day, some sun & brisk wind.	SE. 3.	29	40½
Th. 8.	29·20	Cloudy & rain before sun-rise, much milder & thaw			
	29·23	ing fast, cloudy with some sun in the day, and			
	29·05	very brisk wind, the mildest day this year as yet.	SW. 3.	35	48½
		Rain after 3 pm, clearer at night, clouds flying			
F. 9.	28·90	Some sun-shine, but chiefly cloudy, rain at			
*	28·81	times, fresh wind, increased after 4 pm.	SSW 2.	39	46½
F. Moon 2 pm.		Wind veered to NNW after 4, and blew strong			
	28·92	with rain till 6, eveng clearer & frost.	NNW		
		*The Baromr. lower to day than for many years past !			
Sat. 10.	29·30	Hard frost, sky hazy, & cloudy, thaw in the			
	29·34	day, calm wind, yet cold.	NE. 0.	27½	34
		Hazy night & calm, and considerable frost.			

Phenomena of Atmosphere in February 1838.

Days.	State of Barom during each day.	Phenomena of Atmosphere in February 1838.	Point of wind and force.	Thermometer Lowest State	Thermometer Highest State
Su. 11.	29·40	Sharp frost, morng clear clouds in the day, and			
	29·57	snow storms about noon, wind brisk & cold.	NW 3	25	34½
		Extremely heavy snow from 4½ to 6½ pm. night	The new snow 6 inches deep.		
		clear after 7, and extremely severe frost.			
Mo. 12.	29·67	Great severity of cold, very clear & calm, &			
	29·68	the day bright, still calm, overcast 6 pm, but			
		clear night and very severe, fog after 12.	NW 0.	11	34
Tu. 13.	29·68	Very severe with thick fog & rime, trees &c very			
	29·70	white with rime, clear afternoon, calm all day			
		clouds & little snow 4 pm, clearer night & severe.	NE 0.	14	34
W. 14.	29·84	Morng clear & very severe frost, very bright day			
	29·91	till 2 pm, few clouds after, calm wind.	NE 0.	14	37
		Clear & frosty night, and still calm.	E		
Th. 15.	29·83	Cloudy & hazy, dense cumuli clouds floating,			
	29·78	brisk wind, but severe frost still.	SE 3.	23½	34½
F. 16.	29·81	Hazy cirrostrati, but chiefly bright, with con-			
	29·82	tinued severity, & boisterous wind, very pier-			
	29·87	cing. Colder in the day than any this week	ESE 3–4.	25	32
Sat. 17.	29·84	Hazy & cloudy, continued frost with boisterous			
	29·80	wind, overcast & snow from 10 a.m., increased			
	29·91	to heavy fall all the afternoon, wind abated.	SE 3.	27	32½
		Night overcast some fog, wind & snow both ceased.			
Su. 18.	30·12	Overcast, and calm, the last snow 4 inches deep;			
	30·30	All day overcast, wind calm little thaw.	NE 0.	30½	35½
Mo. 19.	30·27	Cloudy & hazy, froze in the morng, thaw in the			
	30·01	day, brisk wind, sun gleaming. Frost night.	ESE 3.	30½	38
Tu. 20.	29·89	Sharp frost, mostly bright sun, white lines of			
	29·80	cirrostrati clouds, gentle wind.	SE 1.	25½	38
W. 21.	29·84	Frost morng, day overcast & gloomy, gentle			
	29·88	wind, little sleet & rain 8 pm.	NE 1.	27½	36½
Th. 22.	29·87	Morng clear & hard frost, bright day, clouds			
	29·81	flying, gentle wind.	ENE 1.	26½	38½

Phenomena of Atmosphere in February 1838.

Day.	State of Barom during each day.	Phenomena of Atmosphere in February 1838.	Point of wind and force.	Thermometer Lowest State	Thermometer Highest State
F. 23.	29·70	Cloudy, & frost, heavy snow all the after-			
	29·58	noon, fog & thaw eveng, raining night and			
		change, gentle wind, same point all day.	ESE 1.	28½	38
Sat. 24.	29·10	Cloudy & thaw continues, wind blows a			
	28·92	fresh breeze, rainy afternoon, very thick			
	* 28·90	& foggy. Stormy night & milder than of late.	SE 2.	33	40½
		New moon near noon to day. Barom very low.			
Su. 25.	28·94	Hazy with flying clouds, some sun. Thaw conti-			
	29·00	nues, wind brisk, more pleasant.	SSE 2.	36	46
Mo. 26.	29·11	Overcast with boisterous and cold wind			
	29·24	little wet at 8 pm, but wind less.	E 3.	33	37
Tu. 27.	29·35	Overcast & foggy, with brisk wind, little wet 8 pm.	ESE 3.	33½	38
W. 28.	29·28	Morng foggy & rain, day cloudy with sun, and			
	29·32	milder, with gentle wind, the pleasantest day			
	29·30	for months past. Clear night.	S 1.	34½	50

Physical & Meteorological Report for February.

This month proved a continuation of the severe winter of 1838, being, as shewn in the foregoing page, generally severe even to the extreme, and no agricultural business done in the fields. No other proof of coming Spring either than the aconite & snowdrop, the latter appearing on 25th, and the Aconite on 28th. A pleasant change took place on 28th, but the roads were in the worst state known for many years past. Not much sickness this month near us, but Typhus fever raged in some districts. Depth of rain ·84 of an Inch & 20 days tolerably fair. Prevailg winds NE & SE.

Barom	Highest on 3rd	30·48	Thermr	Highest on 28th	50°
	Lowest on 9th	28·81*		Lowest on 12th	11°
	Range	1·67		Range	39
	Mean	29·645		Mean	30½

* The Barom on the 9th was lower than for above 10 years past, attended by peculiar weather.

Frosty days all winter 69 in number: degrees of Frost equal to 511!!

Days	Barometer during each day	The Phenomena of Atmosphere in March 1838.	Point of wind and force &c	Thermometer Lowest State	Thermometer Highest State
Th. 1st	29.25	Little rain 5 a.m. fine and pleasant day			
	29.31	cloudy with sun, gentle wind. Hazy night.	SSE 1	36½	52
		Snow drop in flower partially these 2 days.			
Fr. 2nd	29.24	Overcast & wet morning, day cloudy, little wet			
		at times, wind veering between NE & SSE			
×	29.23	gentle wind but chiefly SE ward. Rainy evening.	SE 1	36	45
	29.32	The lark soared to day in spite of gloom.			
Sat. 3rd	29.39	Morning overcast, day cloudy, little sun at			
	29.38	times gleaming, gentle wind, calm and fog-			
		gy night, but not unpleasant.	SE 1	38	49
Su. 4.	29.28	Much rain at times, especially from 9 to			
×	29.15	12 morning & even till near 1 pm. fresh and			
		brisk wind, and overcast all the day, &			
		somewhat foggy, finer evening & clearer.	E 3	37	42½
	29.31	warmest at 5 pm. wind veering to W. & calm.			
		Sallow buds bursting considerably these few days.			
Mo. 5.	29.70	All clouded with gentle wind, very gloomy			
	29.98	and not mild. Clearer evening & pleasant.	NW 1	37	42½
Tu. 6.	29.74	Much rain between 2 & 6 morning, bright day and			
	29.88	clouds flying, milder & pleasant. brisk wind			
		Stormy after 2. & shower at 3. boisterous wind.	WSW 3	39	50
	29.71	Drifting storm of hail at 5¼ pm, with strong			
		gale from WNW. Clear night, wind less SW.			
W. 7.	30.00	Bright sun, with flying cumuli clouds			
	29.92	boisterous wind, very drying & pleasant day	SW 3	35½	51
		Snow drops and Aconite or New year's gift in full			
		blossom, buds swell & all little plants appearing			
		The Ring & daffodil coming up thro' the sod.			
		At 5 pm. a dense cloud passed NW to NE with			
		vivid lightning & violent thunder 6 miles North			
		Drifting storm of hail & rain passed over this			
		place at 6 pm. Fine night, partly moonlight			

Day	Barometer during each day	The Phenomena of Atmosphere in March 1838.	Point of wind and force &c	Thermometer Lowest State	Thermometer Highest State
Th. 8.	30.12	Bright sun, cumuli floating, fresh wind and			
	30.30	at times brisk, drying & pleasant.	NW 3	35	47½
Fr. 9.	30.37	Morning frost, day bright with floating cumuli			
	30.35	clouds, gentle wind veering about the North & cool,			
		but the sun very warm. Some clouds evening.	N 1	30½	47½
Sat. 10.	30.18	Frosty morning & chiefly clear, day partly bright			
	30.04	clouds large & low cumuli, brisk & cold wind.	SE 3	31	46
Su. 11.	30.00	Very bright sun, few small clouds, wind very cold			
	29.97	and brisk gale. Full moon 8h 3m morning.	SE 3	33½	43
		Roads & other paths quite dry & some dusty.			
	30.06	Night very clear, and frosty.			
Mo. 12.	30.19	Morning frosty & hazy sky, day bright, no clouds			
	30.26	except cirrus which though faintly spread, were			
	30.32	numerous: the sun very warm, and wind calm			
		and veering about between NE & SE.	E 1. 0	28¾	46
Tu. 13.	30.31	Some frost during last night, morning cloudy, and			
	30.16	thick, very cloudy and thick in the day, some			
		rain at times, boisterous gale, clearer night.	SW 3	32	49½
		Milder as night came on, warmest at 9 pm.			
W. 14.	30.12	Cloudy with sun, warm and pleasant day, and			
	30.10	fresh breeze, balmy zephyr & calm & soft evening.	W 2	44	59
		A most delightful day; Primrose opened partially.			
		Crocus in flower also. Agriculture proceeds.			
Th. 15.	29.97	Cloudy with sun, and brisk wind, colder			
	30.05	again but still pleasant.	NW 3	41½	48
Fr. 16.	29.98	Morning frost, a change as day came on, very			
	29.74	stormy, dense cumuli & cirro cumuli above them,			
		bright sun between, wind strong & gusty, and			
	29.68	more cloudy after 3 with rain at times.	SW 4	30	50
		great storm 4¼ pm. heavy rain & squall from			
		SW, another at 6 with sleet from W. windy			
		night, and turbulent atmosphere.			

The Phenomena of Atmosphere in March 1838.

Days.	State of Barometer during the day	The Phenomena of Atmosphere in March 1838.	Point of wind and its force	Thermometer: Lowest State	Thermometer: Highest State
Sat. 17.	29·50 29·48	Stormy with hail & sleet, sun at times, and boisterous gales, large hail at 3 & 5 pm. Finer night, less wind & partly clear.	NW 4.	34	44
Su. 18.	29·65 29·74	Frost morn^g, bright all day with small dense cumuli intervening, fresh breeze & cold, but the sun warm. Cloudy evening. Beautiful cirrostrati & cirrocumuli in parallel ribs or ranges near the zenith 5 & 6 pm. wind veered to South at 6, gentle breeze.	NW 2.	31	45
M. 19.	29·75 29·76 29·71	Cloudy & thick, very gloomy & cloudy all day, and threatening to rain, gentle wind, but not mild. Even^g clearer & milder. Sun rises & sets at 6. Equinoctial days begin.	SW 1.	35	46
Tu. 20.	29·39 29·27	Exceedingly stormy, bright sun at times with very strong wind & flying clouds, and some violent gusts from SW with driving rain & hail, very high wind all day, true Equinoctial weather.	SW 5–6	40	52
W. 21	29·41 29·42	Clear morn^g & chiefly bright in the day, flying showers & hail, with very strong wind.	WSW 5.	33	48
Th. 22.	29·57 29·64	Cloudy, little sun, showers with hail P.M., brisk wind, overcast night, little wet.	NW 3.	34	45
F. 23.	29·62 29·60	Cloudy all day, little snow at times, fresh breeze of wind & cold, veered to WSW. 5 pm.	NW 2.	32	38
Sat. 24	29·64 29·65	Large cumuli clouds, bright sun between, fresh breeze W. & SW, & after 6 pm SE. & S. Heavy rain for ½ an hour 10 pm, w^d SSW.	SW 2.	32	47
Su. 25.	29·80 30·14	Cloudy with sun, wind strong & galy, even^g & night clear, & wind ceased. New moon 9½ pm.	WSW 4–5	34½	46½
M. 26.	30·24 30·27	Morn^g frost but a warm bright & pleasant day, a few thin cirrostrati clouds, gentle wind. More hazy clouds, evening & night.	SE. 1.	27	53½

Days.	State of the Barometer during the day.	The Phenomena of Atmosphere in March 1838.	Point of wind and force of it.	Thermometer: Lowest State.	Thermometer: Highest State.
Tu. 27.	30·37 30·43 30·49	Little fog morn^g, very bright and warm day, no clouds except thin white cirrostrati, and wind gentle, a beautiful day: Crocus full in blossom, both saffron & blue. Crown Imperial Lily coming up, and primroses & violets increasing. At 5 & 6 pm, delightfully serene, calm, warm & pleasant, fleecy clouds, more cloudy after 6, and wind veered to NE. Therm^r at 6 – 54° – at 8 – 47°.	SW 1.	34	58
W. 28.	30·60 * 30·63	Morn^g thick fog, cloudy till noon, bright afternoon, gentle wind. Fog came on 10 pm.	NE. 1.	35	53
Th. 29.	30·62 30·61 30·62	Chiefly fog & little frost before dawn, but a warm & pleasant day, bright till after 2, then cloudy, gentle wind; roads dusty. Evening cloudy, calm, warm & pleasant.	NE. 1.	32½	58½
F. 30th.	30·60 30·50 30·41	Considerable grey clouds at times, yet chiefly bright and warm, wind gentle, very pleasant morn^g, birds tuneful & the day delightful. All the buds swelling fast, some expanding. Clear even^g & star-light, yet the sun set in blue smoky clouds. Cooler than last evening.	NW 1.	43	59
Sat. 31.	30·25 30·25	Cloudy morn^g & smoky blue fog, cloudy all day, & colder, sleet falling fast between 4 & 5 pm, fresh breeze of wind, Therm^r falling.	N 2 & 3.	39	43½
Note.		A great & sudden change of weather from agreeable warmth to wintry cold, and during this night sharp frost has returned to us.			
Note 2.		The Mezereon shrub full blossomed for this week past and every bud expanding yesterday, but a complete check now takes place.			

Conclusive remarks on March 1838.

Physical & Meteorological Report:

This month was the finest March seed time we have had for 8 years past, and the lands were in excellent state for operation on account of the effect of the Winter on them, but the turnips & Wheat were so affected that the farmer had no hope all the month no sprout having issued, as the root was so much injured, and the Wheat in some Counties was destroyed in partial districts, so that the farmer was compelled to plough them up. Some warm days about the 14th & 27th partly opened the buds, and brought up the vernal flowers, many of which were in blossom in the latter half of the Month, as named in the daily remarks.

The frosts of this March were fewer & more gentle than in many years at this period, especially as the weather had so lately been severe: but the Equinoctial Storms were violent & of some considerable duration.

The Thunder storms on the 7th were remarkable.

Sickness was but rare this Month, but the last change on the 31st, brought Rheumatic & Catarrhal affections, severe coughs & hoarseness very common among the young with fever, at the time of my writing, Monday April 2nd.

Prevailing winds of March were SW & NW, very opposite to the March before!

Baromr	March 28th	30·63	Thermr	March 14 & 30th	59°
	March 4th	29·15		25th night	27°
	Total Range	1·48		Total Range	32
	Mean state	29·89		Mean state	43°

Number of fair days 22, Depth of Rain 1·38 Inches.

The Phenomena of Atmosphere in APRIL 1838.

Days.	State of Barometer during each day.		Point of wind and force of it.	Thermometer lowest state	Thermometer highest state
Su. 1st	30·26	Clear and sharp frost, day cloudy with sun,			
	30·25	wind brisk & cold, clear night & frost. —	N.N.W 3.	26½	41½
M. 2.	30·09	Severe morng & clear, day cloudy with sun, and			
	30·04	very brisk wind, more cloudy after 1 pm, over-			
		cast and thick, milder & little wet eveng. —	N.W 3	23½	46
Tu. 3.	30·09	Cloudy with sun, gentle wind, more pleasant			
	30·11	again to day, wind veering from WNW to SW. —	W 1.	32	50½
W. 4.	30·03	Cloudy, little sun at times, brisk wind, stormy			
	29·99	appearances, yet tolerably seasonable weather. —	W 3.	39	57
	30·02	Pleasant & serene night, fleecy clouds. —			
Th. 5.	29·99	Cloudy with sun, and boisterous wind, cumu-			
	29·96	li floating below, cirrostrati & cirrocumuli			
		above, cloudy windy & rainy night. —	W.S.W 3.	43	59
F. 6.	29·74	Rain considerable before sun-rise, day cloudy			
	29·83	with sun, dense cumuli clouds, wind very brisk			
		cloudy evening and warm & pleasant. —	W.S.W 3.	45	59
Sat. 7.	29·70	Cloudy and frequent rain, wind gentle			
	29·67	till noon, but galy & very brisk after 1 pm, little			
	29·30	sun after 5; windy & stormy night. —	S.W 1.–3.	49	54
Su. 8.	29·18	Cloudy & stormy, rain at times, most at 5 am			
	29·22	& 1 pm, wind boisterous & rough from W & NW	(night	40	
	29·37	thermomr at 2 pm 39° but it was 43° before 12,	(2 pm	39	43½
	29·50	and after 4 pm, and clearer with sun at 4.	W.N.W 4.		
M. 9.	29·70	Chiefly cloudy, very little sun, and gentle wind,			
	29·91	cool & rather unpleasant, yet finer than yesterday.	N.W 1.	36	47½
	30·03	Wind SE after 5 pm, fine & dry evening. —			
Tu. 10.	30·10	Full moon & Eclipse 2 morng. I awoke, rose, and			
		observed Lunar Eclipse at 2½ am, sky clear, calm			
	30·13	& favourable for the scene. Pleasant morng at 8,			
		and a warm day and chiefly bright with			
		cirri & cirrocumuli clouds, wind brisk. —	S 3.	37	60

APRIL 1838.

Days	Barometer at different times each day	The Phenomena & Atmosphere in April 1838.	The point of the wind and force of it	Thermometer: Lowest state	Thermometer: Highest state
W. 11. (The large red & brown butterfly appeared. Hawthorn leaf open.)	30·24, 30·21, 30·10	Cloudy morn at sunrise, clouds low & moist but these soon dispersed, bright all day, and very warm & beautiful, fresh breeze of wind. Brisk gale near 1 pm with blue smoky air for an hour, but the sun still shone. At 6 pm Therm. 60! Beautiful night, ranges of cirrocumuli dappled the sky at 7 & 8.	SW 2.	47	64½
Th. 12.	30·20, 30·27	Bright with flying scuds, & brisk wind at times boisterous, and not so warm as yesterday, but very drying. Dense Cumuli, N.W. A sudden gust of wind between 5 & 6 pm from the N.N.W. driving the dust along the road in perfect clouds, wind less even, hail clouds afloat.	N.NW 3	38	57
Good Friday April 13.	30·30, 30·27, 30·17.	Cloudy with sun, but mostly cloudy, yet fine, dry & pleasant, fresh breeze of wind. A few cowslips in flower. Primrose & violet very full. Cloudy night, yet calm & pleasant.	NW 2.	35	49½
Sat. 14.	30·04, 30·07	Cloudy with sun, and gentle wind, dry & pleasant. Cloudy night, wind veered to W.	NW 1	40	55½
Easter Su. 15.	29·85, 29·73, 29·70	Morning cloudy with little rain, and boisterous wind from SW. day bright at times flying clouds & stormy appearances, and wind very strong. At 9 pm violent hurricane from the N W & previously, about 6 pm, a driving storm of hail rain & snow from N.N.W. Very stormy night.	SW to NW 4. & 6.	42	56
M. 16.	29·68, 29·67, 29·60	Morn cold with flying cumuli and strong gales, little sun, but clouds increasing; at 10½ am a great storm of snow & hail, exceedingly thick & heavy; and violent gales with frequent storms through the day, with heavy hail, snow, lightning and loud thunder. Night partly clear, & cold.	NW 4–5.	34	45
Note–		The wind remarkably strong & cold this morn.			

Days	State of Barometer during each day	The Phenomena & Atmosphere in April 1838.	Point of the wind and force of it	Thermometer: Lowest state	Thermometer: Highest state
Tu. 17.	29·63, 29·69	Frost & clear at 7 am, overcast and great fall of snow from 8 to 9 am, and boisterous wind, but after this the day tolerably fine, cloudy with sun, and fresh wind. Finer evening but cold.	NW 3–4	29½	47
W. 18.	29·72, 29·78	Cloudy, very little sun, frequent rain & snow, wind brisk and very cold & ungenial still. Turbulent state of clouds & great humidity.	NW 3.	33	45
Th. 19.	29·74, 29·78, 29·81	Cloudy with much rain, sleet & snow at times sun gleaming between showers, cold & unpleasant. Thick rain & hail at frequent intervals all day, and wind very brisk. Finer after 6 pm.	N.NW 3.	33	42
Fr. 20.	29·85, 29·82, 29·79	Morn frosty, fine forenoon, bright at times, with very dense rocky cumuli, heavy hail at times after 12, the hailstones large, wind gentle. Fine night.	NW 1.	31½	45
Sat. 21.	29·71, 29·65	Cloudy with sun, and fresh breezes, chiefly cumuli clouds, some haziness. wind SSW evening.	W 2	34	49½
Su. 22.	29·52, 29·37, 29·45	Cloudy & hazy with sunshine intervening, shew for rain, and wind boisterous at times; more sun, & less wind after 4 pm.	SE 3.	34	51
M. 23.	29·51, 29·43, 29·42, 29·50	Morn calm, bright & pleasant, and the day mostly bright & warm, but after 1 pm more wind & various courses of adverse clouds, and in the west the cumulostratus & Nimbus skirted the horizon dense & black at 3 pm & after. Threatening sky, & brisk wind, with less sun. Night partly cloudy, little wd.	SE 3.	37	58½
Tu. 24. (New moon at 7 am.)	29·64, 29·72	Flying clouds with sun between, and brisk wind till 3 pm, then more cloudy and rain, wind less. Fine even after 5, and clear night, wd NE, calm.	E.SE 3–2.	39	58½
W. 25.	29·83, 29·87, 29·91.	Morn foggy, forenoon cloudy with little sun, afternoon more cloudy & cold, no sun, and the wind brisk NE. Night cloudy and wind the same as before.	NE 3 & at 3	38 —	51½ 45
		Horse chesnut leaf opened yesterday.			

APRIL 1838.

Day.	State of Barometer during each day.	The Phenomena of Atmosphere, in APRIL 1838.	Point of the wind and force of it	Thermometer: Lowest State.	Thermometer: Highest State.
Th. 26.	29·95 30·03 30·08	Cloudy, very little sun, overcast & little wet after 12, cold & gloomy, & wind very brisk. Cloudy & cold night, wd boisterous N.	N 3	42 at 4 pm	51 43
F. 27.	30·01 29·98	Cloudy little sun and wind boisterous and very cold, night the same. 6 pm Thermr 40°.	N 4	37	48½
Sat. 28.	29·91 29·82 29·79	Clouds flying with bright sun between, but the wind brisk and very cold still. More cloudy eveng, sudden squalls & little rain	N 3	35	50
Su. 29.	29·71 29·76 29·82	Very cold piercing blasts with snow & hail at times, bright sun between, finer after 1 pm, the storms all over, but still boisterous & cold with flying clouds & sun at times. Evening hazy & some clouds, wd NW to W, gentle.	NNW 3	32	45
M. 30.	29·63 29·58	Very cloudy & gloomy, little rain most of the day till 3 pm, brisk wind at times. Dense clouds floating this eveng, clearer between. The Sycamore leaf opened partially.	SW 3	35	49

Barom.r	April 13th	30·30	Thermom.r	April 11th	64½°
	April 8th	29·18		April 2nd	23½
	Range	1·12		Range	41
	Mean State	29·74		Mean State	44

Number of days fine 19, depth of rain 1·12 Inch; Principal wind NW.

This month was fickle in the extreme, a few very fine & warm days, so that vegetation made greater progress than last year; but most of the month, rough and cold winds prevailed and produced a check. Catarrhs and very bad colds of all kinds with severe coughs, were almost general in these parts. Small pox in many towns occurred, and some deaths from it. The fields promise little at present, but the hedges look green, & some of the corn. Sunshine & warm showers are wanted.

MAY 1838.

Day.	State of Barometer during each day.	The Phenomena of Atmosphere, in MAY 1838.	Point of the wind & force of it.	Thermometer: Lowest State.	Thermometer: Highest State.
Tu. 1st.	29·74 29·73	Cloudy and chiefly gentle rain the most of the day, wind a fresh breeze, yet a growing air. Clearer eveng, sun shone at 6, clear at 9 pm.	S 2	41	55
W. 2nd	29·93 29·97 Note.— 29·90	Bright and very warm, clouds passing the sun, more cloudy after 3, & drops of rain for a short time. Delightful day, & very growing, wd fresh. The willow leaf opened to day. All nature enlivened. Grand Electrical display from 7½ pm till 12 night. The most rugged cumuli clouds on W & S horizon, red with the declining light, as coppery rocks tier above tier, and the East veiled in black, vivid lightning commenced, and became general from E to W, around the S, wd SE brisk. The collapsed Cirrus as bands across the head of the Cumulostrati in the E, the fleecy dapples of cirrocumuli in the zenith, & the SE continued to exhibit dense masses of cumuli & Nimbi, till after 11, near which time, awful streams of blue lightning darted in zigzag streams, and violent claps of thunder occurred here, nearly over us! A short shower mingled with hail ¼ to 11 pm.	SW 2	47	67½
Th. 3rd	29·91 29·96 30·04 30·08	Bright, serene & enchanting at 5 am, Cuckoo singing. Day bright & very warm & beautiful, clouds passing with fresh wind, gentle only after 12, delightful weather. Cowslips full opening. Foliage expanding. Eveng sultry, much red Cirrus &c. Thermr 59° at 8.	SW 2	50	65
F. 4.	30·12 30·11 30·12	Bright sun with cirrostrati & cirrocumuli, very hot & calm till 10 am, day warm throughout & bright, but more wind after 10, fresh breeze.	NE 1–2	42	66
Sat. 5.	30·16 30·27 30·32	Very bright sun, no cloud to hide it, but distant cirrocumuli &c in SW & W horizon, opposite the wind which blew boisterously all day, yet a warm day. Hazy clouds hid the setting sun.	NE 3 & 4	46	63

Day.	State of Barometer during the day.	The Phenomena of Atmosphere, in MAY 1838.	Point of Wind and force of it.	Thermometer Lowest State.	Thermometer Highest State.
Su. 6.	30·39	Cloudy morn^g, day bright & no cloud, very warm			
	30·40	sun, but cool and brisk wind. Cloudy & cool night.	N.E. 2	43	55½
		The Poplar leaf opened. Cowslip full blossomed			
		for several days past. Very fine weather!			
M. 7.	30·41	Very bright all day, no cloud, and heat rapidly			
	30·43	increased, wind gentle & fresh and although from			
	30·44	due North, a very hot day. 5 p.m. w^d N.E. again	N. 1.	41	69½
Tu. 8.	30·43	Very bright and hot day, no cloud, wind gentle			
	30·38	and fresh. All nature fast advancing.	E.N.E. 1 & 2	44	70
W. 9.	30·29	Very bright sun, cool morn^g but hot day, no			
Full moon 5 p.m.	30·28	clouds, except one cirrostratus in S.E. at 8 a.m.			
	30·31	gentle wind. Even^g cloudy and cooler.	N.E. 1.	38½	70
Th. 10.	30·45	Flying clouds and bright sun, wind very			
	30·52	brisk and cool. Clear and cold night, 39 at 8 p.m.	E.N.E. 3.	41	55
F. 11.	30·49	White frost 5 a.m., bright all day, and gentle wind			
	30·38	chiefly N.E. but veering N & N.W. 3 p.m.	N.E. 1.	33	58½
Sat. 12.	30·27	Bright and warm day, few small clouds, and			
	30·13	cirrus above, wind chiefly N.E. till after 2, & calm,	N.E. 0		
	30·02	afterwards a fresh breeze from Southward.	S. 2.	35½	65
		Evening hazy below, sun set in clouds, w^d S.S.W.			
Su. 13.	29·77	Morn^g cloudy, rain between 7 & 8, day bright at times			
	29·72	with heavy & dark cumuli clouds, more cloudy & cold-			
	29·78	er afternoon, with brisk wind between N.W. & N.	N.W. 2.	42	54
M. 14.	29·72	Chiefly cloudy and light showers with hail, more			
	29·80	sun & fairer P.M., fresh wind and cold.	N. 2.	40	51
		Clear night and very cold for the season.			
Tu. 15.	29·82	Morn^g sharp white frost, day bright at times,			
	29·85	cumuli clouds dense & large, fresh wind & cold.	N.N.W. 2.	29	53
W. 16.	29·95	Sharp white frost this morn^g, day bright at			
	29·94	times, with cumuli clouds, w^d calm and veer-			
	29·98	ing about from E.N.E. to S.E. and then E.S.E.	S.E. 1	28¾	57½

Day.	State of Barometer during the Day.	The Phenomena of Atmosphere, in MAY 1838.	Point of Wind, and force of it.	Thermometer Lowest State.	Thermometer Highest State.
Th. 17.	29·94	Chiefly bright, but rather hazy, with Plumous Cirri			
	29·92	& cirrocumuli passing across the wind. evening			
	29·94	clearer, but the wind keen & more N.E.	E. 2	31	57½
F. 18.	29·95	Some haziness, & cumuli in adverse currents, sun			
	30·01	at times, but still cold with brisk wind.	N.N.E. 2	37	56
	30·09	Clear & calm night, sun red at setting.			
Sat. 19.	30·05	Morn^g clear & frost, hazy forenoon with Cirrostrati			
	30·01	clouds & brisk wind, sun partly bright, more ha-			
	29·94	zy & thick after 2 p.m., w^d brisk & cold for the season.	S.E. 2	30	59
		Cloudy even^g and wind brisker. Therm^r 45 at 9;			
		the clouds all cirrostrati connected together in one veil of			
		cloud; at 11 p.m. much warmer & very cloudy, w^d boisterous.			
Su. 20.	29·81	Very hazy with much cirrostrati & cirrocumuli, sun			
	29·70	at times, warm atmosphere, and boisterous wind,			
	29·67	drops of rain near noon, light rain 8 to 10 p.m.	S.S.E. 3	48	64
M. 21.	29·61	Cloudy morn^g, little shower at 10, finer after			
	29·70	noon, cumuli clouds & sun between, wind fresh,			
	29·75	but warm & pleasant. Some clouds & less wind night.	S. 2	49	62½
Tu. 22.	29·69	Cloudy, very little sun, gentle showers at times			
	29·64	till 3 p.m., wind brisk, and chiefly S., but at 4			
	29·75	p.m. veered to W., then clearer & fine. Bright even^g.	S. 3	46	61½
W. 23.	29·80	Overcast and chiefly rain, at times consider-			
	29·85	able, at 8 & 9 p.m. a more hasty shower; and	new moon 4¾ p.m.		
	29·87	raggy strata clouds, w^d W.N.W., gentle.	chiefly W. 2	46	51
Th. 24.	29·97	Cloudy morn^g & w^d N., day cloudy with sun, cu-			
	30·13	muli clouds, fresh wind, veered about to E.ward.	E. 1 & 2	46	60
F. 25.	30·12	Cloudy with sun: after 12 all clouded & cooler.			
	30·13	fresh breeze. Night cloudy & brisk wind	N.E. 2	45	56
Sat. 26.	30·18	Flying clouds with bright sun between, and wind			
	30·22	brisk, clear night, wind gentle.	E.N.E. 2 & 3	45	59
		Slow weather for some time past, for vegetation.			

The Phenomena of Atmosphere in May 1838.

Days.	State of Barometer during the day	The Phenomena of Atmosphere in May 1838.	Point and force of Wind	Thermometer Lowest State	Thermometer Highest State
Su. 27.	30.11 30.04 29.96	Cloudy with sun between, and wind brisk and still cool for the season. Windy evening & partly clear, some haziness.	2 & 3 E.NE	38	60
M. 28.	29.73 29.72 29.71	Heat increased, windy morning, chiefly bright with much cirri, cirrostrati & dapples of the cirro-cumuli, cloudiness increased at noon very thick with rain after 2, and till after 5; thick fog from 7 pm. all the evening.	E.SE. 3 SE. 1	45	68
Tu. 29.	29.69 29.77 29.80	Partly clear at sun-rise, but much cirrocumuli, overcast & rain from 6 to 7. then bright with cumuli clouds. the day throughout fine & warm after 7, & chiefly bright after 1, cloudeless with very brisk gales. Fertilizing weather.	SW. 3	49	68
W. 30.	29.85 29.95 29.97	Cumuli clouds, but chiefly bright sun, and very warm, with fresh breeze. Seasonable weather. Some dark blue cumuli at sunset, yet very warm, & the Therm. 63°. and at 9 pm 58°: wind near calm.	W.SW. 2. & W	49	69½
Th. 31.	30.00 9 a.m. 30.05 noon 30.05 2 pm 30.03 8 pm. 30.08	Before 5 a.m. clearer & cooler, but at 7, very close, and calm, thin clouds above in SW current, and below in NE current, drops of rain at 8, Therm. 61. Clearer after 9, and chiefly bright and hot till noon, more cloudy at 12 & 1, bright at 2 & 3, when thunder commenced, very black about the west also, cloudy with rain at times the remainder of the day. Foggy and close state of air to night; and a singular kind of day throughout!	variable chiefly SE. 0 & 1.	47	71

Summary Report for May 1838, both as regards Animal health, & Vegetation, with observations on the weather of the Month.

The general state of this Spring was certainly very fickle, and at times unseasonably cold, consequently late altogether; but still vegetation was a fortnight earlier in advancement than last year, that season being unprecedented.

Some warm days this year having occurred in March & April such as were not known in 1837 season, caused several starts in the sap which could not have happened in the severity of March 1837. But to be less digressing the Month of May 1838, just past, yielded some very fine and good weather at times, but the cold nights near the middle of the month, with the great dryness of this whole Spring kept back the corn and grass in a great degree.

All the trees in leaf before the end of this month, and the natural appearance of verdure came generally on.

The orchard in blossom, and the meadows gay. but rain is needed to throw up the blade of grass and corn.

Severe colds with Fever, especially with children during the cold weather were general and some cases still remain. Hooping Cough &c.

Some Deaths from Consumption, Fever, Jaundice &c, in Adults.

		Inches.			Degrees.
Barom.r in May	May 10th	30.52	Thermom.r in May	May 31st	71
	21st	29.61		15th night	28¾
	Range	.91		Range	42¼
	Mean State	30.065		Mean State	49.87

Number of fine days 22. Depth of rain only .94 of an Inch.

Prevailing wind. NE.

Day.	State of Barometer during the day	The Phenomena of Atmosphere, in JUNE 1838.	Point and force of wind.	Thermometer: Lowest State	9 Morng	Highest State.
Fr. 1st of June	30·08	Overcast and foggy, close atmosphere & slight				
		drizzle, heavy shower at 10 a.m., afterwards				
2 pm	30·07	very cloudy but less fog, and wind fresh.	E. 2.	48	50	55
		Rainy evening, and close foggy night.				
Sat 2nd of June.	29·93	Cloudy, sultry & close, dead calm. Clearer after 10.				
		Bright & hot till after 3, with cumuli & cirrostra-	S.E. 0			
	29·88	ti clouds & gentle wind. Black nimbi from West				
		severe storm 4 pm, thunder loud & snapping, and	chiefly S.E. 1.			
		lightning vivid, with excessive rain half an				
		hour: fine even^g after storm, much low cirrostrati	W. 2			
	29·88	distant nimbi, & sultry night. wind variable to-	S.W. 1	49	59	74.
		day as marked in the column.				
Whit-Sunday June 3rd.	29·87	Warm morn^g considerable Cirrostrati & gentle				
		wind, day chiefly bright with cumuli &c. distant				
	29·90	thunder N W at noon; & blackness there. Short show-				
		er of large drops here at ½ past 1, brighter still				
		till 4 then black in the West, wind brisk all day.	S.W. 2½	48	62	67½
	29·87	Thunder shower S E at 5, two miles distant.				
		Very sultry even^g & calm till 8, Cloudy at 9.				
M. 4th of June	29·83	Large cumuli & distant nimbi. Thunder storm				
		4 miles S E at noon, bright sun at times, & hot;				
	29·82	wind gentle. Several thunderstorms at a distance				
	29·90	Warm, serene, and bright even^g, clouds below.	S.W. 1.	53	63	70
Tu. 5th of June.	29·99	Bright and very hot, some cumuli clouds, which				
		increased after 12; at 1 & 2 very black in S. with much				
		violent thunder; and continual thunder till 5 pm.	S.W. 1.	47	67	73
	30·07	Cross currents & combating clouds with heavy show-				
		ers at 3 & 5, some hail also. Clouds highly electrical.	wind various the afternoon			
	30·09	The Cirrostrati, all these three days, bands across				
		the cumuli, and to day the Plumous Cirri near				
		the sun were red & green. Cloudy evening.				
		The Birds very tuneful for several days.				

Day.	State of Barometer during the day.	The Phenomena of Atmosphere, in JUNE 1838.	Point and force of wind.	Thermometer: Lowest State.	9 Morng	Highest State.
Wednesday June 6.	30·13	Cloudy, some fog; cloudy till noon; after 1 pm				
	30·21	bright sun with flying scuds, and gentle wind.	N 2 & 1	48	55	61
	30·27	Clear evening and nearly calm, but cooler.				
Thursday June 7th.	30·27	Bright with clouds passing the sun, gentle				
	30·25	wind, pleasant day. Clouded up at 4. rain				
	30·20	between 5 & 6, finer even^g & w^d to S W.	chiefly N.N.W.	47	58	63
Friday June 8.	30·28	Very cloudy and cool, little sun before 10, but more				
	30·32	cloudy since, and brisk wind. Cleared at sun-				
	30·34	set, and wind less. Full Moon 5 a.m.	N.W. 3.	42	55	55
Saturday June 9.	30·31	Clear morn^g & cold for the season till after 5; change				
	30·21	with haziness & lines of Cirri from N to S in the zenith.				
	30·14	Fine day and partly bright; but chiefly hazy & some	chiefly S.S.E. 2.	38	58½	66
		clouds passing, wind fresh, and between S W & S E.				
Sunday June 10.	29·95	Cloudy in general; sun at times between clouds.				
	29·82	warm atmosphere, but boisterous wind at times, dri-				
	29·78	ving up clouds of dust in the roads, abated at 5 pm.	S.S.E. 2 & 3.	48	63	69
Monday June 11.	29·69	Cloudy, little sun, warm air; few drops of rain				
	29·67	at times, dark & raggy clouds; clearer even^g, but	S.E.			
		banks of rugged Cumuli in S E & cirrostrati across.	to E. 1 & 2	52	64	69
	29·69	Great signs of tempest 8 & 9 pm, little distant lightning				
Tuesday June 12.	29·70	Flying clouds & dapples above them, but chiefly bright				
	29·77	sun, & hot; with fresh wind. Some Cirri above the cu-				
	29·80	muli afternoon. Night cloudy, wind E S E.	S.E. 2	50	64½	70
Wednesday June 13.	29·77	Cloudy, and but little brightness, sun at times				
	29·76	gleaming, drops of rain 2 pm, gentle wind, and close				
	29·80	atmosphere: Very temperate weather; w^d to S W 8 pm.	N.W. 1.	51	60	69
Thursday June 14.	29·82	Cloudy; blue smoky clouds, and brisk wind, clearer af-				
	29·85	ter 11, clouds changed to large cumuli, with hot sun				
	29·90	between, w^d less but fresh. few large drops of rain 1 pm.	S.W. 2.	47½	61	70
		Cloudy with little light rain at 9 pm, a gen-				
		eral cloudiness and wind still fresh.				

The Phenomena of atmosphere, in JUNE 1838.

Days.	State of Barometer during the day.	The Phenomena of atmosphere, in JUNE 1838.	Point and force of Wind	Thermometer: Lowest state night past	at 9 morn	Highest state.
Friday June 15.	29·88 29·82 29·80	Clear at sun rise, warm with flying clouds & some sun in the forenoon, clouds & haziness increased after 12, with very heavy rain at times. The rain particularly heavy at 3½ & 4½ pm. Wet even^g till after 8, sky clearer after 9.	SW 1. & 2.	52	64	70
Saturday June 16.	29·87 29·92 29·96	Clouds flying in the morn^g, the day chiefly bright and hot, with clouds intervening, cumuli below, & cirri above, and the beautiful dapples of the cirrocumuli towards even^g: wind gentle & fresh. Wind W.S.W. after 3. Cloudy with much hazy cirrostrati clouds after 7 pm, little shower near/. Sultry & cloudy night. Therm 62 at 10 pm.	SW 1 & 2.	53	64	73½
Sunday June 17.	29·98 29·99 29·95	Rain at 3 morn^g & at 6 & very close & sultry air. Cloudy forenoon, gleams of sun & hot: Blue & thick smoky air hiding the upper clouds at noon; after 2 pm bright and very hot with cumuli, & some haziness, wind gentle. Calm and hot night.	SW. 1.	60	66	74
Monday June 18.	29·80 29·75 29·70 29·72	Some rain at 3, hot and close morn^g, and from 7 to 9 am the sky exhibited a beautiful scene, being diversified with cirrostrati & cirrocumuli & many other clouds crossing as if interwoven; cumuli & nimbi followed with violent thunder storm a few miles off at 10 & 11 am Eastward. Shower here at 12, bright & very hot after, with flying clouds & fresh wind, cirrocumuli above. Beautiful ranges of these 6½ pm. Wind to SW, brisk after 5, and so continued.	SE. 1 & 2 SW 3.	60	70	75
Tuesday June 19.	29·85 29·90 30·00	Bright with flying clouds, & boisterous gales. Flying shower 7 pm, large drops, cumuli floating, & wind less. Even^g partly clear.	SW. 3.	55½	65	71
Wednesday June 20.	29·84 29·82 29·78 29·75	Morn^g cloudy, rain from 6 to 10, afterwards little sun gleams, but chiefly cloudy & some flying showers, yet trifling, warm with brisk wind. Very rainy even^g and night, & sultry.	SSE. 2 SW. 2	54	60	67½

The Phenomena of Atmosphere, in JUNE 1838.

Days.	State of Barometer during the day.	The Phenomena of Atmosphere, in JUNE 1838.	Point and force of Wind.	Thermometer: Lowest state night past	at 9 morn	Highest state.
Thursday June 21.	29·58 29·70 29·75 29·82	Longest Day. Sultry & cloudy morn^g, with boisterous wind & light rain at times. Hasty rain at 9, & wind veered from S.W. to W, but returned S.Wward. Day bright and fine, cumuli clouds, & brisk wind. Thunder shower a few miles off NW. 6¼ pm.	WSW 3.	58½	62	67½
Friday. June 22^nd.	29·89 29·92 30·00	Flying clouds & cumuli, with hasty, yet trifling showers, bright sun between, and very boisterous wind. Clear even^g, and less wind.	New moon 2½ am. WSW 5. WSW 4.	51½	62	66
Saturday. June 23.	30·21 30·26 30·23	Bright and very hot, with gentle wind, much cirri in the morn^g; small cumuli and dapple fleecy clouds in the day: Much of these last at 6 pm.	SW. 1	51	65	75
Sunday. June 24.	30·20 30·12 30·10 30·13	Very bright sun, no clouds, and very hot day, with wind calm or gentle. Beautiful ranges of fleecy dapple clouds in zenith, 6 pm. Clear, calm, very warm & delightful even^g at 8 & 9.	SE. 1 & 0	51	69	76
Monday June 25.	30·17 30·22 30·19	Bright and very hot, with cirri till noon, more clouds after 12, and very sultry, sometimes calm but wind veering. Various currents of clouds even^g.	SE. 1 & 6. N. 1. E. 0 & 1	56	71½	77½
Tuesday June 26.	30·13 30·09 30·11	Overcast and continual rain from 7 am to 2 pm. It rained very fast at 10 and at 1. Fine even^g, but overspread with clouds, and calm.	NE. 1.	56	59	60
Wednesday June 27.	30·12 30·13 30·10 Note.	Cloudy with sun, warm & fine, but clouds large, & sun seldom quite bright, smoky air, fresh wind at times. Night cloudy, Jupiter's occultation not seen. The late rains & heat besides, have caused a rapid advance in the vegetable creation. Mushrooms too have even become plentiful to day!	SW. 1 & 2	56	63	70½
Thursday June 28.	30·15 30·12 30·11	Very cloudy with much cirrostrati & dark muggy strata below them, warm & little gleams of sun & wind gentler. Very rainy after 3 pm. Rainy evening and night.	S. 1 & 0.	53½	61	67½

Day	State of Barometer during the day	The Phenomena of Atmosphere, in JUNE 1838.	Point and force of Wind	Lowest State night past	at 9 morng	Highest State
Friday. June 29.	30·04 30·07 30·09	Cloudy morn[g], little wet; sun bright & hot between 10 and 2. with various clouds passing in cross currents. Dark thunder cloud to the S 1 to 3 pm. Very black in the West and a violent thunder-storm from it here, against the wind, torrents of rain lightning & snapping thunder at 3 & after. Even[g] bright and calm.	Various but chiefly SW. 0 in morn[g] then E. 1. & when storm was up W. 3. W. 0.	54	60	67½
Saturday June 30.	30·08 30·09 30·03.	Chiefly bright & warm, with clouds, cumuli below & cirrocumuli above, wind veering & gentle, sometimes calm. Night hazy & much cirrocumuli. Elliptical range of cirrocumuli from SE to NW.	SW. 0 E. 1 SSE. 1	49	63½	70

Summary Report, conclusive, for June 1838.

This Month was Seasonable with copious rains & hot sun between, so that the corn grew with great Rapidity to a considerable length, and the Wheat shewed the ear about the 17th day. The Barley is very luxuriant in general, above other crops, but all look well, so great a change has this month effected in the fields. The meadows thrive but the hay-crop seems to shew a likelihood of shortness, on account of the former blight in the May frost. Several cases of trivial & variable sickness, but nothing of importance this month. Cherries green, but a fair crop, & currants & gooseberries plentiful in most places but the Orchards still injured by caterpillar &c.

Barom[r]	Maximum on 8th	30·34	Thermom[r]	Maxim[m] on 25th	77½
	Minimum 21st	29·58		Minim[m] 8th n[t]	38
	Range	0·76		Range	39½
	Mean State	29·96		Mean State	58·75

Total Depth of Rain 3·37 Inches. Number of fine days 18,
Prevailing winds SW & SE.

Day	State of Barometer during the day	The Phenomena of Atmosphere in JULY 1838.	Point and Strength of Wind	Lowest State night past	at 9 morng	Highest State
Sunday July 1st.	30·00 30·08 30·11 30·13	Cloudy morn[g] little light rain, fine between 9 & 2pm, very warm little sun but many clouds flying, little rain again after 2pm. Wet even[g] till near 8, fine night, cloudy and hot.	SE. 2	53	63	70
Monday July 2nd.	30·15 30·17 30·17 30·18	Cloudy & sultry morn[g] cleared after 10. day at times bright with dense cumuli &c. and very hot; with gentle wind; cirrocumuli above. The birds these 2 days more musical than at any time before in this Year.	SE. 1.	56½	67	74
Tuesday. July 3rd.	30·15 30·18 30·21	Heavy shower at 3 morn[g], cloudy till 10. and sultriness extreme. Bright after 10. & extremely hot; little more wind & veered. A Cumulostrates WSW. and the cirrostrati across, like locks of white silk. Fine Summer weather. serene & hot even[g], mist on the vale, birds melodious.	NW. 0. ESE. 1.	60½	70	77
Wednesday July 4.	30·23 30·22 30·24	Foggy morn[g], cloudy till 10, bright and extreme hot day, some cumuli & cirrocumuli, little wind, black in the E with violent thunder between 3 & 5 pm, Thunder till 6. fine eve.	WSW. 1.	59	69½	79
Thursday July 5.	30·29 30·30 30·28	At 11 & 12 last night thunder rather loud at a little distance. This day very bright & extreme hot; very little wind. Few small cumuli.	SW. 0 & 1.	53½	70	79
Friday July 6.	30·18 30·10. 30·11.	Much cirrocumuli all the morn[g], and excessive heat till 11, black with thunder in the West then & till 12; fine afternoon, chiefly bright. The heat rather less after 11, & wind gentle & fresh. Even[g] bright & very hot, clouds like morn[g].	SSE. 1. S. 2. SW. 1.	55½	74	81
Saturday July 7.	30·11 30·04 30·07.	Flying clouds, with cumuli & cirrostrati, & cirri above them, sun bright at times, wind brisk; Hasty short shower about 3pm. Pleasant eve, much dark cirrostrati. A very hot week, and the hay-harvest proceeds.	SW. 2 & 3. Full moon 2¼ pm.	55	64	71

Day.	State of Barometer during the day.	The Phenomena of Atmosphere in JULY 1838.	Point of wind and Degree of Strength	Lowest state night past	At 9 morn	Highest state
Sunday	30·03	Morng cloudy & light thick rain at times				
July 8.	30·09	till 11. afterwards bright with flying cumu-	SW. 2. W 2.			
	30·14	li, and very windy, but still hot.	WNW 3.	53	62	71
Monday	30·22	Bright and very hot, some flying clouds,				
July 9.	30·25	and fresh wind; fine summer weather.	W 2			
	30·26	Clear evening & light Breeze.	WSW 2.	57	68	75
Tuesday	30·28	Bright and very hot, but many flying				
July 10.	30·29	clouds and blue smoky air at times,				
	30·26	brisk breezes. Hazy & sultry night.	SW 2½.	55½	68	77
Wednesday	30·25	Numerous Cirrostrati, & some dusky Cumuli,				
July 11.	30·22	sun at times bright, extreme hot & sultry day				
	30·20.	fresh wind. — Very hot eveng. 9 pm 67°.	WSW 2.	60	71	79
Thursday	30·15	All clouded over in the morng. flying clouds				
July 12.	30·19	in the day, with sun, fewer clouds, & bright &				
	30·18	very hot afternoon. wind fresh at times.	SW 2.	60	69	76½
		Very bright & hot eveng. gentle wind. 9 pm 67°.				
Note.—		White Cirrostrati & circumuli NW & N of				
		singular appearance, notched at lower edge.				
Friday.		Fog morng. clouds till noon, some sun, after-				
July 13.	30·14	noon bright & extreme heat continues, some				
	30·03	cir'strati & misty low strata, thunder SE at	W. 1.			
	29·95	6 pm. & W at 7. — Much cirrocumuli &c, great				
	29·90	shews for storm, & very close. Therm 70 - 8 pm.	SE. 1.	58	70	78
		Very hot all night, distant lightning, wd fresh.				
Saturday	29·87	Hot and sultry morng. change after 8 a.m.				
July 14.	29·83	Hazy & cloudy, sun at times, more cloudy af-				
	:	ter 1 pm. rain at 3 & 4. Cloudy eveng. yet fine				
	29·79	wind brisk most of the day, less since the				
		rain: veered to S this eveng.	SW. 3.	63½	70	72
	29·77	Heavy rain between 8 & 10 pm wd boisterous.	S 2. SSW 3.			
Note—		This has been a very hot week, like the				
		one before. Charming Summer weather.				

Day.	State of Barometer during the day.	The Phenomena of Atmosphere in JULY 1838.	Point of wind and Degree of Strength	Lowest state past night	At 9 morng	Highest state
Sunday	29·78	Clear morng. chiefly bright all day flying cumu-				
July 15.	29·83	li, & small hasty showers at 10 & 11½ a.m. Very	SW. 3.			
	29·93	warm sun & brighter after 1 pm. wind brisk.				
	29·99	less wind pm. Pleasant eveng. Therm 62 at 8½ pm.	WSW 2	58	66	71
Monday	30·10	Little shower during night past, fine & clear				
July 16.	30·12	morng. fine day bright sun, cumuli clouds				
	30·23	flying & intervening at times. wind fresh.				
	30·27.	Calm & clear night, somewhat cooler.	WSW 2.	54½	65	72½
Tuesday.	30·31	Very bright morng. and calm. The day chief-				
July 17.	30·22	ly bright & hot; cumuli & cirrocumuli clouds				
	30·16	little wind. Many detachments of Cirrocumuli	SW 1.	50½	67½	73
		this eveng, very beautiful scene, but sign of storm.				
Wednesday.	30·12	Cloudy, trifling shower 9 am. Cloudy with				
July 18.	30·28	sun between, fresh breeze at times: cooler	NW.			
	30·38	to day, yet the past night was very warm.	N 1 & 2.			
		Very fine and pleasant weather.	NW. 1.	59	65	68
Thursday	30·35	Fine & pleasant; beautiful cirro cumuli in ze-				
July 19.	30·23	nith at 9 a.m. in silver white parallel ribs or	WSW 1.			
		ringes. Bright and very hot day, thin cirro-				
	30·17.	cumuli & strati. Brisk wind in general, but	WSW 3.			
		blew warm. Sultry eveng. clouded with cirrostrati.	NW 1.	51½	67	74½
Friday	30·07	Rain between 4 & 8 morng. fine day after 8.				
July 20.	30·06	bright with flying cumuli, & brisk wind.	W. 2.			
	30·08	veering from Wward to NWward, soon drying up				
	30·02	the wet: Wind fresh this eveng. partly clear.	NW 3.	56½	64	69½
Saturday	30·05	Stormy atmosphere, flying clouds, some				
July 21.	30·17	cumuli, trifling showers at 8 & 10 morng.	NW 3 & 4			
	30·23	afterwards chiefly bright, but windy, and				
		large clouds flying at times.	NW 3.	51	57	63
Note.—		Much cooler to day than for several weeks	New Moon 2¾ pm			
		past. The most of this month having				
		been very hot indeed, & uniformly so!				

Day	State of Barometer during the day	The Phenomena of Atmosphere in JULY 1838.	Point of wind and degree of strength	Thermometer: Lowest in past night	At 9 a.m.	Highest State
Sunday	30·22	Very stormy atmosphere, flying clouds, Strata & cumuli, sun at times, very blustering				
July 22.	30·20					
	30·23	wind. hasty showers in forenoon.	NNW 4.	47	58	61
		Clear evening and wind less.	NW 1.			
Monday	30·23	Many Cumuli clouds, bright sun between				
July 23.	30·16	at times, and gentle wind; dark clouds and	NW 1. & 2.			
	30·10	more wind at 4 pm. Very cloudy evening.		46½	60	67
		Rain at 10 & 11 pm: wind veered & gentle since 6.	WSW 1.			
Tuesday	30·00	Low nimbi & cumuli clouds, with flying	NW 2. & 3.			
July 24.	30·07	showers, bright sun at times, wind squally				
	30·10	but chiefly brisk or fresh. Stormy atmosphere	NNW 2.	51½	59	62
Wednesday	30·07	Cloudy with sun at times, some dark	NW 1.			
July 25.	30·05	cumuli, gentle wind. Unsettled looking sky	NW 1.			
	30·10.	and rather unseasonable these few days.	NW 2.	49	61	63½
		Night cloudy in part; & less wind.				
Thursday	30·05	Clear morning till 6, then flying clouds, and				
July 26.	29·96	wind fresh: fine day, little warmer, sun	WNW 2.			
		at times, but sky hazy, and dusky cumuli	W 2.	48½		
		clouds also. Wind fresh. more cloudy as			62	67½
	29·88.	day declined. thick & hazy, rain after 5 pm.				
		rainy evening & wind veered.	SW 2.			
Friday.	29·74	Clouds flying, cumuli & broken strata, and				
July 27.	29·84	sun at times, wind blustering & squally.	NW 2.			
	29·91	Unsettled atmosphere, yet fine.	WNW 3.			
		Evening more serene, and wind gentle.	WNW 1.	53	60	66
Saturday	29·90	Chiefly bright and warm, much cumuli,	W 1.			
July 28.	29·88	yet very fine & pleasant: wind gentle & at				
	29·82	times fresh. Larger cumuli after 4 pm.	SW 2.	52½	63	69
		Distant Nimbi this evening S ward.	SW 1.			
		A dense Nimbus from SW with heavy shower 9 pm.				
Note.		This week was more unsettled, & cooler in part than previously.				

Day	State of Barometer during the day	The Phenomena of Atmosphere in JULY 1838.	Point of wind and degree of strength	Thermometer: Lowest in night past	At 9 a.m.	Highest State
Sunday	29·75	Cumuli & nimbi cirrostrati across them, cirri				
July 29.	29·71	above, & hasty showers; bright at times; at noon				
	* 29·67	a violent thunder storm passed to ESE. vivid	SW 2.	51½	63	66½
	29·70	lightning & snapping thunder, heavy shower then.				
		Much Thunder, East at 1 & again at 4. Southward also.				
		Fine evening, gentle wind, much Cirrostrati.	SW 1.			
Monday	29·76	Many cumuli, sun between:— after 10, black, with	W 2.			
July 30.	29·80.	heavy showers & distant thunder, with less sun.				
	29·87	Much cumulostrati, & cirrostrati across, this evening.	WSW 2.	47½	64	64½
Tuesday	29·90	Clear & serene morning, very fine and pleasant day				
July 31.	29·98	chiefly bright; some cumuli & large cirrostrati,	WSW 1.			
	30·07.	wind chiefly W. & gentle. Clear, calm, & beautiful	W 1. WNW 2.	49	64	70
		evening and night. Delightful day throughout.				

July 1838, was a fine and generally good month, very hot till 20th, afterwards rather cool for the time of year, but the end was again warm. Some deaths among the consumptive, but sickness was trivial hereabouts. The corn remains green, but all grain crops look remarkable well, & luxuriant: Cherries ripe about the 12th; Currants, raspberries & some gooseberries about 20th; generally so by the 28th. Strawberries off about July 15th. Orchards look better but the apples are few.

The hay harvest was executed between the 2nd and 14th generally in these parts, and although only a medium crop, well secured then. I often observed beautiful scenes in the clouds during this month, especially about the 3rd & 4th days. So much of the Cumulostratus banded across by silvery lines of Cirrostrati, & at that period of this July, my walks in the fields truly enchanted me!

Barom.r	Max — July 18th	30·38
	Min July 29th	29·67
	Range	·71
	Mean State	30·025

Therm.r	Max.m July 6th	81°
	Min — 22nd night	46½
	Range	34½
	Mean State	63·75

Depth of Rain 1·77 Inch. — Fine days 21. — Prevailing winds SW & NW.

The Phenomena of Atmosphere in AUGUST 1838.

Days.	State of Barometer during the day.	The Phenomena of Atmosphere in August 1838.	Point of Wind and Strength of same.	Thermometer: Lowest in last night	At 9 a.m.	Highest State.
Wednesday	30·13	Very clear morng. fine and hot day, chief-				
August 1.	30·14	ly bright, with small cumuli, more hazy	W. 0.			
	30·09	afternoon, increasg. all the eveng. & sultry.	WSW 1.	50	66	74
		Rain from 8 pm. till after midnight.	SW 2.			
Thursday	29·93	Cloudy: all Clouded with flying strata,				
August 2.	29·89	& wind fresh, yet very hot & sultry atmo-	SW 2.			
	× 29·82	sphere, rain at times, sometimes fast.		57½	66½	71½
	29·84	Sky cleared after 7, some cirrostrati, and red-	WSW 2.			
		ness from setting sun, upon all clouds.				
Friday.	29·79	Bright & hot, cumuli at times hiding				
August 3.	29·82	the sun, cirri above & much cirrostrati: a	WSW 2 & 3.			
	29·89	fine day on the whole, & wind blows warm.		57½	66	73½
		The morng. was more cloudy, & some mizzle at 7.				
		Eveng. sultry & beautiful: light cirrostrati.	WSW 2.			
Saturday.	29·79	Little wet before sun-rise: hot and sul-				
August 4.	29·73	try morng. clouds flying; little gleam of	SW 2.			
	29·72	sun in the day, but mostly cloudy, low fly-	SSW 2.	60½	68	73
		ing clouds, yet a very hot day: fresh wind.				
		Little wet at 12 noon, and rainy eveng. after 7.				
Sunday.	29·70.	Very clear & beautiful morng. till 7, then gen-				
August 5.	29·65	erally cloudy & thick with few drops of rain	SW. 1.			
	29·63	at times till 1pm. afterwards bright with	SSW 1.			
		cumuli intervening: and sultry air.		56	64	68½
	Full moon 10½ pm.	Fine & pleasant bright eveng. cirrostrati below.				
Monday.	29·61	Bright with flying cumuli, & cir'cumuli &				
August 6.	29·56	cir'strati above: dense Nimbi with violent	SW 3			
	29·64	showers followed, with lightning & thunder.	SW 2.	56½	66	70
Tuesday	29·73	Cloudy and showery, large cumuli, sun				
August 7.	29·79	at times, and blusterg. wind till 3 pm,	WSW 3			
	29·84	Dense cloud & heavy shower 4½ pm, & con-	W. 1	54	61	65½
	29·93	tinued an hour: Wet evening again after				
		7 pm. - But Barometer rises fast.	WNW. 2.			

Day.	State of Barometer during the day.	The Phenomena of Atmosphere in August 1838.	Point of Wind and degree of Strength.	Thermometer: Lowest in night past	At 9 a.m.	Highest State.
Wednesday	30·06	Clouds with showers, sun at times bright.	WNW 2.			
August 8.	30·12	Much low strata, cumuli & cirri, gentle wind				
	30·17	Baromr. rising fast all this day.	WNW 1.	53½	61	64½
	30·23	Finer night after 9, and clearer.				
Thursday	30·28	Serene morng. thin white clouds, but somewhat	W. 1			
August 9.	30·29	hazy, little sun, more hazy after 12; rain at 3				
	30·25	pm. and till 5 light & thick. Eveng. hazy.	SW 2.	47½	63	66
	30·20	Black fragments of cloud beneath the haze				
		at 6 & 7 pm, of singular form & appearance:				
		like festoons of spider-web! shew for tempest.				
		Sultry night & fine, Thermr. 61°.				
		Some clouds, but signs of heat increasing.				
Friday.	30·15	Cloudy, thin clouds & cir'cumuli above, sun				
August 10.	30·11	at times, hot and sultry, with brisk wind.	SW. 2. & 3.			
	30·11	Very hot air to night & cloudy sky, wind still		56½	67	73½
		brisk, Thermomr. 68° at 8 pm!	SW 2 & 3.			
Saturday.	30·13	Hot morng. bright sun & silvery cirrostrati				
August 11.	30·17	here & there. - very bright all day & extreme	SW 2 & 2½			
		hot; scarcely a cloud, wind very fresh & blows				
	30·20.	heat with it. Less wind after 4 pm.	WSW 2	63	73	78½
	Very hot night & chiefly clear.	Beautiful eveng. sun set in golden Splen-				
		dour, lines of cirrostrati SW. Thermr. 68 at 8!				
Sunday.	30·17	Morng. bright & hot; & trains of cirrocumuli dap-				
August 12.	30·18	pled the blue: more cloudy after 10: hot and	SW 1.			
		sultry day, little sun; - at times all clouded,	SW. 1			
	30·17	but not overcast. Oppressive sultriness.	SW 0.	59½	70	75
		Little wet 5 pm, Hot eveng. much cirrostrati.	Thermr. 67 at 8.			
Monday.	30·14	At 6 & 7 am. all clouded with cir'strati, bright				
August 13.	30·16	after 9; day bright and hot with cumu-	W. 1.			
	30·18	li clouds; clear eveng. and night.	WNW 2.	61	66	72½
	30·23.	Signs for fine weather to night.				

Day.	State of Barometer during the day.	Phenomena of Atmosphere — in — August 1838.	Wind & Force of it.	Thermometer: During night last	At 9 a.m.	Highest State
Tuesday	30·29	Clear morng: Corn Harvest generally commencing.				
August 14.	30·25	Day chiefly bright; cumuli clouds, and	W.N.W. 1.			
	30·26	fresh breeze. Beautiful eveng, sun set in	W.N.W 2.			
		brilliant lustre. Clear night.		48½	62	69½
Wednesday	30·20	Some large cumuli, bright sun between,				
August 15.	30·25	fine & pleasant day. The lands yellow in	N.W 2.			
	30·29	ripeness and harvest proceeds well.	N.N.W 1.	49½	62	65
		Very clear night, and cool; wind gentle.				
Thursday	30·25	Grey clouds overspread from 4 a.m. and warm-				
August 16.	30·13	er since; fine morng. Bright and warm	SW 0 & 1.			
	30·18	day with some cumuli & cir'cumuli above.	SW 1.	44	60	69½
		Hazy, calm, and warm evening.	NW 0.			
Friday.	30·26	Very bright all day, some cumuli; very hot	NE 0.			
August 17.	30·30	sun, yet cool air, and chiefly calm, wind	NW 1 SW 0.			
	30·32	veering about; & at 5 pm fixed SE & blew a		49½	62	68½
		little. Much cirri & cirrostrati eveng.	SE 1½			
Saturday	30·33	Some haziness, and cumuli, but chiefly				
August 18.	30·27	bright & hot day, halo round the sun, cir-	SW 1.			
	30·26	rostrati after 3 pm, & more general cloudings	W. 1	51	63	73
		rather black in SW, sultry eveng & dead calm.	W. 0.			
Sunday.	30·13	Morng cloudy, much cirrostrati; after 8 gen-	SSE. 1			
August 19.	30·00	erally bright and very hot, with beautiful	SW 2.			
	29·92	cirrocumuli & cir'strati, cumuli below; hazy		60	68	74½
		& more cloudy after 2 pm, & little wet at	SW 2			
		times. Clear eveng & night.				
Monday,	29·95	Morng clear, much cirri in zenith, more				
August 20.	29·93	cloudy in the day, cir'strati & cumuli, yet	SW 1.			
	29·85	chiefly bright & very warm. Fine day.	SW 1 & 2.	50	62	70
	29·72	Hot eveng but clouded with cirrostrati.	SSE. 2.			
New moon 4 a.m.		Very fine harvest weather ever since				
		the annual toil commenced!				

Day.	State of Barometer during the day.	Phenomena of Atmosphere, — in — August 1838.	Wind & Force of it.	Thermometer: During the last night	at 9 a.m.	Highest State
Tuesday	29·43	Stormy, bright with flying clouds; little wet				
August 21st.	29·45	in trifling flying cumuli, but chiefly fine	SW 3.			
	29·49	and hot, with boisterous gales whirling up		57½	65	71
		the dust. Pleasant eveng & wind less.	SW 1.			
Wednesday,	29·33.	Flying cumuli with sun between, and very				
August 22.	29·31	boisterous, driving clouds of dust in the roads,	SSW 4			
*	29·29	bright Halo round Sun at Noon; Black clouds at	SW 5.	51	60	66½
	29·34	2 pm SW; shower at 3, and violent thunder close				
	29·36	by, very loud & snapping, wind less, large Nimbi con-	SW 2.			
		tinued, & showery eveng, yet little rain fell here.				
Thursday,	29·45	Cloudy with sun; near Noon more clouded	WNW 2.			
August 23.	29·60	& inclined to rain. Afternoon chiefly bright,	WNW 3.			
	29·77	cumuli floating, & cir'cumuli above. More clou-	NW 3	53½	61	63½
		dy again after 4, & showery, yet but little wet.				
Friday,	29·98	Cloudy, sun at times, dusky cumuli, & lines				
August 24.	30·10	of cirri clouds, few drops of rain at inter-	NW 2.			
	30·14	vals. Night chiefly clear & calm.	NW 1	51	58	64
Saturday.	30·22	Bright morng with Cirri, bright & warm till				
August 25.	30·11	near noon, hazy & cloudy Afternoon, little sun	SW 0.			
	30·12	dusky cumuli & cir'strati. Drizzle at 9 & 10 pm.	SSW 1. SSE 1	46	60	66½
Sunday.	30·14	Bright and hot, small cumuli below, and the				
August 26.	30·19	cirro-cumuli appearing all day, of silver white.	WNW 1.			
	30·17	Beautiful Eveng. Cirro strati gilded by setting	W 1 & 2.	56	63	70½
	30·19	Sun, & red tinges followed. Warm & nearly calm.	WSW 1.			
Monday,	30·17	Bright sun, extremely hot day, very few				
August 27.	30·20	clouds, some cumuli & white cir'strati, at	W 1.			
	30·21	times, gentle wind. Charming weather.	W. 1.	56	71	79
	30·23.	At 8 P.M. Thermomr 68° outdoors, & within.				
Note ☞		Large raggy cumuli floating & rather black				
		some of them. Perfect calm oppressive night.				
		Lightning SSW at 10 P.M. & Thermr 65° abroad.				
		Harvest work in full dispatch to day.				

Phenomena of Atmosphere in August 1838.

Day.	State of Barometer during each day.	Phenomena of Atmosphere in August 1838.	Point of Wind, and force of the same.	Thermometer. Lowest in night past.	At 9 a.m.	Highest State.
Tuesday	30·20	At 4 in the morng and till 9, much clouded with				
August	30·12	cir'strati & cir'cumuli, & great heat. Bright, and	SW 0.			
28th.	30·04	extremely hot, some cumuli & beautiful cirro cu-	SW 1.			
	29·99	muli finely divided, during the day.	SW 0.	61	72	79
	☞	Black webbed cir'strati during Eveng, & ranges of				
		very small detached portions of cloud, large drops of rain				
		at 8 PM, Thermomr 70° then. Exceedingly hot night.	S. 1.			
	29·81	9 PM Thermr 69. — Lightning all round the				
		horizon & Aurora NNE. Thermr at 10 pm 67½				
Wednesday.	29·81	A great & rapid change since sun-rise, general	WNW 1.			
August 29.	30·06	cloudiness & wind veered, sultry till 6 morng, but	WNW 2.			
	30·19	sudden coolness as day advanced, chiefly cloudy	NNW 3.	62	56	62
		little sun, mizzle at times. 3 PM Thermr 55°!	NW 1.			
		Clear night and wonderful change. 8 PM Thermr 50.				
Thursday.	30·23	Clear & cold morng, compared with the past: gen-	WNW 1.			
August 30.	30·21	erally bright some cumuli & much varied cirro-	NW 1. & 1½.			
	30·24	cumuli. chiefly bright & warm sun, the clouds pre-		42	58	66½
		dict some return of heat. Serene eveg, Ther at 8. - 54.	WNW 0.			
Friday.	30·24	Thin clouds, some sun, — day chiefly bright, &	WNW 1.			
August 31.	30·21	hot, few thin clouds, some cirro-cumuli af-	W. 0.			
	30·20	ter 2 pm, & more at 5. Calm & delightful eve.	WSW 0.	48½	62½	71
		Very fine weather for concluding Harvest.				

Baromr	Maxm Augt 18.	30·33	Thermr	Maxm Augt 27 & 28.	79
	Minm 22nd	29·29		Minm 29 night	42
	Range	1·04		Range	37
	Mean	29·81		Mean	60·5

Total Rain in August 1838 was only 1·70 Inch. —

Number of fine days in the month was 23. —

Hence, in these Parts, a fine and dry month for Harvest, and which is nearly concluded hereabouts. On this head, Further remarks next page. The Prevailing wind was SW, although so little rain fell here.

Closing Remarks for August 1838.

This Month, in these Eastern Parts of England, was very fine and favourable for the Harvest, the Crops all tolerably fine and good, some particularly so, and well secured also. Although the heat was rather less than in Augt 1837, yet a much finer month for concluding the Harvest toils than last year. In short, notwithstanding the outcry of the expectation of a wet time, so fine and favourable a season seldom occurs! — Some very hot days intervened, even near the end, and sickness was but rare. —

September 1838.

Day.	State of Barometer during the day.	September 1838.	Point and force of Wind.	Thermometer. Lowest in night past.	At 9 a.m.	Highest State.
Saturday	30·18	Clear morng. Bright & very warm day, with	SW 1.			
Septr 1.	30·17	a few light thin clouds. More cloudiness in	WSW 1.			
	30·20	the evening, yet warm & pleasant. —	WNW 1.	50	64	70
Sunday.	30·20	Cloudy morng, few drops of rain 6 a.m., day very fine,				
Septr 2.	30·23	bright at times, but somewhat hazy & cumuli, ve-	WNW 1.			
	30·26	ry warm & summer-like. Calm & pleasant night.	WNW 1.	57	63	70
Monday	30·27	Clouded with much close cirro-cumuli, in	W 0.			
Septr 3.	30·22	the morng, fine and warm day, some cumu-	SW 0.			
	30·19	li, sun at times. Clear moon-light night. —		52	62	68½
Tuesday	30·10	Some fog before ☉ rise. Bright and hot day, some	SW 0.	Full moon 6 a.m.		
Septr 4.	30·00	cirri & cirro-cumuli & other electrical signs, which	S 1.			
	29·95	increased during eveng. small dense cumuli in	SSE 1.	46	63	72
		ranges upon cir'strati, like battlement walls!	SE 1.			
Wednesday	29·76	Much lightning & Thunder since 12 pm, Black cloud	ESE 1.			
Septr 5.	29·71	and severe thunder storm from 2 till after 3 morng,	SE 1.			
The Tempest this morng		from SSW, passed N.: wind E'ward, a shower here. —				
was rather	29·60	Chiefly bright & hot day, some cumuli, cirro-	SSE 2			
West of us when nearest.		cumi &c, more hazy PM, & Parhelia South of Sun.		57	66½	72
		Cloudy eveng & night, and sultry heat, with				
		lightning to SE & E. Thermr 62° at 8 pm. —				

The Phenomena of Atmosphere in September 1838.

Day.	State of Barometer during the day.	The Phenomena of Atmosphere in September 1838.	Point of Wind & force of same.	Thermometer: Lowest in night past.	At 9 morng	Highest state.
Thursday	29·39	Cloudy with rain till 10 a.m.- day bright and				
Septr 6.	29·40	warm, but much cumuli intervened, and fly-	S. 1			
	29·40	ing clouds, some nimbi distant. Shower 6½ pm.	SSW 2	58	60	67½
Friday	29·51	Bright with clouds flying, and very hot				
Septr 7.	29·47	sun, most of the day: Some large Cumuli.	S. 2.			
	29·55	Showery after 4 pm, Thunder West, and the	SSE. 1.	55½	62	71½
		evening cloudy with some wet, wind veered.—	N. 2			
Saturday	29·70	Cloudy, light showers, sun at times, but ge-				
Septr 8.	29·76	nerally gloomy, and cooler than of late. —	NW 2.			
	30·02	Clear night after 9 pm. & cool. —	NNW 2.	52	55	58
Sunday	30·24	Cold morng, fine day chiefly bright, with much				
Septr 9.	30·31	cirri and floating cumuli, clouds less after	WNW 1.			
	30·39	1pm. Calm eveng & pleasant. —	W. 0.	40½	53	60
Monday	30·48	Clear morng, day bright in general, some	NW 0.			
Septr 10.	30·51	cumuli, & cirri above. very fine weather.	NW. 1.			
	30·55	Clear & cold evening, frosty inclined! —	NE. 1.	41½	56	63
Tuesday	30·60	Little fog below, cold morng & frosty:- day bright,	NW 0.			
Septr 11.	30·57	very warm sun, and few clouds, small cumuli	WNW 0.			
	30·60	Clear eveng, wind veered, warmer than last evg.	SE. 1.	37½	56	64
Wednesday	30·56	Foggy till Sun-rise, very bright and warm day	SSE. 0			
Septr 12.	30·52	train of ribbed cirro-cumuli in zenith at noon & after,	SW. 1.			
	30·48	from SW to NE. Some hazy cirri. eveng, pleasant night.	SE. 1.	43	60	68½
Thursday.	30·42	Some fog early. much cirro-cumuli & cir'strati, for	SW 0.			
Septr 13.	30·37	some time; very hazy with cirro'strati all day,	SW 1.			
	30·32	some cumuli, but little full sun. yet very warm.	S 0.	49½	62	67
		Calm, soft and warm eveng, sun set in red dapple-clouds.				
Friday.	30·23	Cloudy, little sun, more clouded over after 1pm,	SW. 0			
Septr 14.	30·20.	yet very close & warm. Calm, warm & cloudy night.	S 0.	49	61½	66
Saturday	30·20	Bright and very hot day, & nearly calm; a	SE. 1			
Septr 15.	30·18	most delightful day throughout. The wind	ESE. 1.	57½	65	71½
	30·20	veering, but chiefly ESE. Clear & calm night;	E. 1			
	30·21	and Aurora Borealis very bright, yellow & (red!	ESE. 1.			

The Phenomena of Atmosphere in September 1838.

Day.	State of Barometer during the day.	The Phenomena of Atmosphere in September 1838.	Point of Wind & force of same.	Thermometer: Lowest in night past.	At 9 morng	Highest state.
Sunday.	30·19	Fog till near 9 am, cloudy till noon, close & warm	E. 1.			
Septr 16.	30·20	day, clouds with sun at times, wind veering be-	NE. 0			
	30·13	tween E. & NW. Beautiful eveng, & at 8pm, a column	NNW 0 & 1.	47	60	67
	30·17	of light in SW slanting upwards, & crossed by another	ENE. 1.			
		at an obtuse angle, thus — which lasted near 30 min.				
		More clouded afterwards, & close night. —				
Monday	30·19	Bright and hot morng till 11, then clouded	ENE. 1.			
Septr 17.	30·20	over with low clouds, cloudiness increased all	NE 1½.			
	30·23	the afternoon; Thermomr 66 before 11, & at 2pm 62.-		52½	62	66
Tuesday	30·20	All clouded over, very dull all day, and cool-	ENE. 1			
Septr 18.	30·15	er. Clouds thinner after 5 pm, & in the eveng.-	ENE. 2	51½	55	57½
	30·16	New Moon 44 min past 8 night: Still cloudy	E. 1.-			
Wednesday	30·08	All clouded, yet fine till after 12. more clouded	ENE. 0.			
Septr 19.	30·05	& thick, little wet: finer after 3. & clearer evening	E. 1.			
	30·00	Night overcast, calm, and warm. —	ESE. 1.	51	56½	59
	29·90	Handsome scenery in the sky all this morng, va-	SW. 1.			
Thursday	29·96	rious cirro-cumuli & cir'strati in speckled ranges!				
Septr 20.	29·97	Most E.ward. Fine & warm day, chiefly bright sun,	WSW.	53	58	
		Trains of circumuli above. white cir'strati also. and the				64½
		Cumuli below. Beautiful sky, and charming day!—				
		More cloudy at 5 P.M. drops of rain. Fine calm eve-				
		ning, dusky cir'strati, vivid Lightning E.ward 8pm.				
Friday.	29·95	Clear morng & frosty. much cirrus. both fibrous	SW 0.			
Septr 21.	29·97	& plumous spread over the Zenith. Bright and	WNW 0.			
		warm day, some cir'cumuli. & cumuli. —	NW 1.	39	55	63
	30·02	Tendency to Nimbi Eastward at 4, cir'strati across cumu-	E. 1.			
		li &c. Dense Nimbi W. with thunder 4 to 6 pm. and a		Aurora Bore-		
		beautiful rocky one S. 6pm. gilded with twilight beams.		alis bright	to-night again.	
Saturday.	30·08	Foggy & cold morng till after 7. day bright. and be-				
Septr 22.-	30·09	came hotter after 12. small cumuli, but chiefly	SE 1.			
	30·08	sun. Much long cir'strati this evening, pleasant &	S 1.	38	55	64½
		warmer than last two. — Very dry weather for				
		many weeks past, all pools &c exhausted. —				

Day.	State of the Barometer during each day.	The Phenomena of Atmosphere, in **September 1838.**	Point of the Wind and force of same.	Thermometer: Lowest in night past.	At 9 morn^g.	Highest State.
		Autumnal Equinox commences.				
Sunday,	30·03	Warm morn^g, much cirro strato, & cumuli, little	S. 2.			
Sept^r. 23.	30·04	mizzle at 12. then more sun: flying cumu-	SSE. 2.			
	30·01	li: some cir-strati & cir'cumuli at 4: Evening	S. 3.	48	61	65
		very cloudy & sultry. 8pm 59°!				
Monday,	30·03	Foggy morn^g from 6 to 9: cloudy, little sun, and	SSE. o.			
Sept^r. 24.	30·00	warm! after 12 clouds increased! from 2pm over-	E. 1			
	29·91	cast and rain till 6, cloudy & warm night.	SE. 1.	51	57	62
Tuesday,	29·88	Cloudy, very little gleam of sun; more hazy	SW. 1.			
Sept^r. 25.	29·94	and overcast with rain after 2 & chiefly wet	SW o.			
	30·00	till night: calm & mild. Great change after drought.	SSW o.	53	56	59
Wednesday	30·08	Morn^g overcast, clearer after 9; chiefly bright	SW. o.			
Sept^r. 26.	30·14	and warm day, cumuli clouds; some hazi-	SW o.t.			
	30·12	ness. Calm, sultry even^g, some clouds.	SE. o.	51	56	63
Thursday	29·99	Damp sultry morning, and rain; very dull	NW o.			
Sept^r. 27.	29·95	and gloomy, overcast & continual rain till after	NW 1 o 2.			
	30·00	3pm, Cloudy but fine after 3 P.M.		54	55	56½
Friday	30·08	Clear above fog below: Very bright & warm	WNW o.			
Sept^r. 28.	30·14	day, sun never hid, no cloud except a train	NW o.			
	30·19	of cirro-cumuli & cir'strati of white, across S.ward.		45	53½	62
Gossamer falling all day.		This cloud appeared first as a straight white cir-				
		stratus, then at 1pm opened into cirri, & some knotted				
		cirro-cumuli of silver white! A beautiful scene,				
		and the day as charming; & very calm.				
		Clear night above, foggy below.				
Saturday	30·17	Little fog & grey clouds;! from 9 to 1pm, little sun	SE. o.			
Sept^r. 29.	30·16	but chiefly cloudy, & sultry; more cloudy after	E. o.			
	30·16	2. little wet. Fine even^g, cloudy, calm & sultry.		45½	58	62½
Sunday.	30·27	Grey misty clouds, sun at times, and very	NW o.			
Sept^r. 30.	30·31	sultry & warm, brighter after 4pm; much	NW 1.			
	30·35	cirro-cumuli widely spread all the even^g,		53½	59	63½
		and very warm & pleasant.				

Conclusive Remarks, on September 1838.

Barometer.		Thermometer.	
Highest on 11th Sept^r	30·60	Highest - Sept^r 4 & 5th	72°
Lowest on 6th	29·39	Lowest on 10th night	37·5
Range for Sept^r	1·21	Range for Sept^r	34·5
Mean State	29·99	Mean State	54·75

Prevailing winds NW & SW; Depth of rain 1·57 Inch; fine days 23. — This was a calm, warm, dry & pleasant month, especially till 24th, and nearly all the wet fell in the last week! A great want of wind caused much inconvenience with Millers, and every rivulet & pool was dried up during these last 3 months! The land hard as iron. Sickness was but trifling all the month.

Day.	State of the Barometer during day.	The Phenomena of Atmosphere, in **October 1838.**	Point of Wind, and degree of Strength.	Thermometer: Lowest in past night.	At 8 morn^g.	Highest State.
Monday,	30·38	Cloudy all day, low clouds, little drizzle,	NW 2.			
Oct^r. 1.	30·37	but still mild although a northerly wind.	NNW 2			
	30·40	Finer & clearer after 4 P.M. Moon between clouds 8pm.	N. 2.	53½	55	58½
Tuesday,	30·47	Cloudy with sun between, fine, dry & pleasant.	NE. 2			
Oct^r. 2.	30·49	chiefly broken fleecy cumuli: bright moon the	NE 1.			
	30·51	even^g & night, some thin cirro-strati.		51½	55	61
Wednesday,	30·53	Very bright sun all day, no cloud except a	ENE. 2.			
Oct^r. 3.	30·54	long white cirrostratus across S at noon; drying	ENE. 2.			
	30·52	Easterly wind. Full moon 3pm; bright moon, night.		47½	53	61
Thursday,	30·50	Mist on vales 7am! some grey clouds, day bright	ENE. o.			
Oct^r. 4.	30·47	& pleasant. Red cirri & cirro-strati after sun-	NNE 1.	43	50	58
	30·45	set, clear night, moon bright.				
Friday.	30·43	Overcast morn^g till 11, then bright with fly-	N 1.			
Oct^r. 5.	30·44	ing clouds, fine, dry, & pleasant weather	NNE 1.			
	30·47	continues. More clouds again to night, the	NNE 1.	45	53	57½
		moon gleaming between.				

October 1838.

Day.	State of Barometer during each day.	The Phenomena of Atmosphere, in October 1838.	Point of Wind and force of same.	Thermometer: Lowest in past night	At 8 morng	Highest State.
Saturday,	30.43	Cloudy till noon, grey clouds; afternoon				
Octr 6.	30.45	bright with flying clouds, dry & pleasant	N. 0			
	30.45	still. Heavier clouds to night.	NNW1.	48	53	58
Sunday.	30.44	Cloudy with sun; some thick ranges of				
Octr 7.	30.42	clouds, little mizzling at times, yet on the	N 1.			
	30.42	whole fine and dry. Cloudy night.		49	50.	56½
Monday.	30.42	Very cloudy, little sun, clouds dense, and				
Octr 8.	30.41	rainy in appearance. Very fine weather	NW ½. & 1.			
		and charming Autumnal days!		48	50	56
Tuesday,	30.43	Serene & pleasant morng, lofty grey clouds				
Octr 9.	30.41	in divided order, more cloudy near 10. little				
	30.38	mizzle, delightful afternoon, sun chiefly	NW1			
		bright; cirro cumuli & small cumuli clouds.		47	51	59
Wednesday	30.30	Very cloudy all day, no sun, yet dry, and				
Octr 10.	30.26	pleasant, cloudy night, and little more	WSW0.	48	50	55
	30.20	wind, but very calm for some weeks past.				
Thursday,	30.08	Large cumuli & cirrostrati clouds, sun at				
Octr 11.	29.89	times, and more wind than for many	SW1.			
	29.78	weeks past. Several cirro-strati 6pm, all	SW3.	50	52	59
×	29.64	lying from SW to NE. Windy & cloudy night, &				
		little rain, stormy atmosphere.	SW4.			
Friday,	29.68	Clear morng & cold. Chiefly bright during	WNW3.			
Octr 12.	29.71	the day, large rocky cumuli & some hail at	NW3 & 2.			
	29.77	times flying over, & very cold wind. Lightning		41	43	49½
		NE. 7pm. Clear night and frost. 8pm 36°.	NW1.			
Saturday	29.80	Very clear and sharp frost for the season.				
Octr 13.	29.89	bright day, some cumuli clouds, and wind	NW1.			
	29.97	very cold. Evening clear and frost.	NW2.	31	33	46
Note	—	8 PM Thermomr 35°! A very cold day for				
		this time of the year! A change af-	WNW1.			
		ter 12pm, more cloudy, & rather milder.				

October 1838.

Day.	State of Barometer during each day.	The Phenomena of Atmosphere, observed in October 1838.	Point of Wind and force of same.	Thermometer: Lowest in past night	At 8 morng	Highest State.
Sunday,	29.97	Cloudy morng, little wet at 7 & 8, change from				
Oct 14.	29.82	frost, chiefly cloudy all day, thick & hazy.	WSW2.			
	29.76	Sun shone at 11, but rain set in at 3, and con-	SW 3.	32½	38	48
	29.55	tinued heavy till after 5. Stormy eveng and a	SW 4.			
This eveng is 18° warmer		change to mild again, with strong gales, and				
than last evening		heavy clouds. Thermomr highest after 9 PM. 53°	SW 5.			53
Monday	29.55	Flying clouds, cirri above, little sun! more cloudy	WSW3.			
Octr 15.	29.69	after 2pm, little wet at times. Warmer night	WSW2.			
	29.67	cloudy and strong wind. Thermomr highest af-	SW4. & 5.	47	50	56½
		ter 9pm 56½! This is very singular.				
Tuesday,	29.67	Very warm & pleasant; drying morng, much cirro				
Octr 16.	29.62	strati, white & dusky also, to Sd. More cloudy after 9.	WSW4.			
	29.50	rain in flying showers, fine day after 11, but ge-	SW 5.	55	55	61
		nerally cloudy & very warm, with strong gales.	SW 5.			
Wednesday	29.32	Clearer & fine morng, showers in night past.	SW 2.			
Octr 17.	29.42	Plumous Cirri about zenith 7 to 9 am. Fine day,	WSW 3. & 4.			
	29.56	chiefly bright & warm, cumuli clouds floating.		51	52	59
	rising rapidly	Clear night, lightning SE; colder again.	W. 2.			
Thursday	30.04	Clear morng, bright with small cumuli till				
Octr 18.	30.06	after 12, then hazy & cloudy, and rain after 3.	WNW 2.			
	29.90	wind to SW after 2pm. New Moon 2¼ PM.	W 3 SW 2.	38½	41	52
	29.86	Milder eveng, warmest after dark! cloudy & windy	chiefly			
		night, & wind between SSE & SSW, strong.	SSW5.			55½
Friday.	29.90	Fine and pleasant; chiefly bright sun, small				
Octr 19.	30.07	thin clouds, & cirro-cumuli. Calm evening &	WNW2.			
	30.19	delightfully pleasant. Sun set in a screen	NW2.	54	51	57½
		of red and purple cir'strati & cirro-cumuli.	W. 0.			
Saturday	30.08	Warm, dry & pleasant morng; clouds flying all	SW 2.			
Octr 20.	30.11	the forenoon, sun between; bright afternoon, and	W 3 & 4.	46 to		
	30.28	hot day for the season; windy till 2, afterwards	W 2.	55	57	64½
		less wind, and warm, serene, & beautiful eveng.	W 1.			
☞		This day remarkably warm & pleasant! Like Summer.				

Day	State of Barometer during each day	The Phenomena of Atmosphere in October 1838.	Point of Wind and strength of the same	Thermometer: Lowest night state	At 8 morng.	Highest state
Sunday,	30·35	Cloudy & very warm some black webbed cirrostra-	SW 1.			
Octr. 21.	30·37	tü at 8 morng. cloudy & sun between and remark-	SW 1.			
	30·33	ably sultry & close all day, yet very fine and dry.	SSW 0.	45	53	62
☞		Calm evening, exceedingly sultry, little fog gathering.				
		This day more like August than Octr. Thermr. 57 at 9 pm!				
Monday	30·29.	Fog, and very sultry & close morng: cloudy and	SSW 0			
Octr. 22.	30·22	sultry day, truly summer-like in weather, but	SSE 1.			
	30·21	Leaves falling fast from the trees remind us of	S. 1.	53	54	61
		some other season. Cloudy and warm night.				
Tuesday	30·10.	Cloudy, calm, warm, and serene: very cloudy	SE 0.			
Octr. 23.	29·98	all day, yet fine and dry. Overcast eveng.	SE 2.			
	29·94	Little wet after 8 pm. and mild night.	S. 1.	52	54	58
Wednesday	29·80	Rainy morng till 10. then cleared, bright &	S. 1.			
Octr. 24.	29·86	very warm day, some cumuli but chiefly	W. 2.			
	30·02	sun, and delightful day. Clear night, yet mild		52	55	61
Thursday.	30·20	Bright, fine and pleasant, more hazy after 1	SE 1.			
Octr. 25.	30·19.	pm, some dusky cumuli, sun more dim, yet ve-	SSE 2.			
	30·12	ry fine and dry. Hazy and cloudy evening.		45	47	58
Friday.	29·89	Cloudy little wet at 6 am to 8, bright at times	S. 2			
Octr. 26.	29·91	with clouds passing, cumuli & large dark cir-				
	30·02	rostrati, black, with storm of rain 3 pm.	WSW 3.	52	54	59½
		Clear moonlight night, wind gentle.	WSW 1.			
Saturday	30·04	Clear morng. frosty air, chiefly bright till				
Octr. 27.	29·88	noon, then more hazy with dark cirrostra-	SW 1.			
	29·77	ti; black in the W. after 4 pm. Rain after 6 pm.	SSW 3	37½	40	55
	29·63	Heavy rain all night with little intermission.	SW 4.			
Sunday,	29·63	Stormy wind & heavy rain 3 morng: clear at 6	SW 4.			
Octr. 28.	29·65	gentle wind, much cirri, haziness increased to	W. 1.			
	29·50	overcast after 12. clearer & little sun after 3, calm	SE 0.	50	47	52
	29·31	& mild: Cloudy night and rain, and wind	SE 1.			
		increased to gales. A very tempestuous night.	SSE 4			
☞		We have now a bountiful rain such as has long been needed, after the long drought.				

Day	State of Barometer during each day	The Phenomena of Atmosphere, in October 1838.	Point of the Wind and force of same	Thermometer: Lowest night state	At 8 morng.	Highest state
Monday.	28·99	Violent gales with rain 3 morng; great storm of	SSE 6.			
Octr. 29.	29·03	wind from 4 till after 7, Hurricane at times:	SW 7.			
	29·11	Black broken clouds flying little wet at intervals	WSW 6.			
☞		Trees snapped asunder by the storm! Day chiefly	WSW 5.	48	42	51
	29·50	bright; raggy cumuli flying, wind strong but less	WSW 4 & 3.			
	29·72	as day advanced. Clear night, & still less wind	WSW 2.			
Tuesday	29·82	Very clear, bright all day, small cumuli	SW 1.			
Octr. 30.	29·83	passing. clear eveng. but more hazy after 9.	SW 2.			
	29·85	hazy night, little cloudiness coming on.	SW 0.	38	40	51½
Wednesday	29·89	Clouds and some fog, and rain at times.† Chiefly	veering chiefly			
Octr. 31.	29·92	rain, all day, and very gloomy and calm.	N 1&0	37½	42	45½
	29·88	Clear moonlight eveng. Cleared at 4pm.	W 1.			

Conclusive Observations.

((October 1838.))

Barometer.		Thermometer.	
Highest on 3rd	30·54	Highest on 20th	64·5°
Lowest on 29th	28·99	Lowest on 13th	31°
Range	1·55	Range	33·5
Mean State	29·765	Mean State	47·75

Prevailing wind SW. Depth of Rain 1·68. Fine days 22.

This month was very dry till 27th night, and generally mild, and pleasant. The trees shed their leaves early this season; most ashes are quite bare, and all trees very thin in foliage, as the gale has nearly stripped them, which blew so hard on 29th morning! Several trees were blown down, and buildings damaged. This was a great change after the long calmness.

The Small Pox very prevalent in Ipswich and other Towns during this month, and many deaths occurred therefrom; but as yet very little illness in the villages.

Every rivulet dried up till after the 27th day. and until the 29th the land too parched for wheat planting!

Day.	State of Barometer during day.	Phenomena of Atmosphere, in November 1838.	Point of Wind and force of same.	Thermometer, Lowest in late night.	At 8 morng.	Highest State.
Thursday	29.51	Overcast and rain till 9 morng: clearer	SSW 2.			
Novr 1st.	29.38	with sun near noon. more cloudy after 1,	SW 2.			
Full moon 12 pm.	29.37	black rugged cumuli, tempestuous signs.	NW 1.	36½	45	50½
		Sun shone again after 4; Hail storm 5 pm.	Fine night.			
		Bright moon eveng, few clouds after 8 pm.				
Friday.	29.40	Chiefly bright; clouds passing, more clouds	SW 1.			
Novr 2nd.	29.35	after noon; somewhat thick and hazy	SW 3.			
	29.37	with some clouds eveng & night.		36	40	48
Saturday	29.57	Clear morng, more hazy after 11; very thick	WNW 0			
Novr 3.	29.50	and hazy afternoon. Cloudy and rainy night.	S. 1.	34	33½	46
	29.32	Rain commenced 8 pm.	SSE 2.			
Sunday	29.02	Much indication of Storm; flying clouds, &				
Novr 4.	28.97	little light showers. sun bright at times, and				
	29.00	mild. Banks of cumuli banded across by cirro-	S 1			
		strati & Barom very low! Moon bright at 8 &	SSW 0	41	44	52
		9 pm cirrocumuli above. mist on vales.				
Monday	29.19	Thick Fog till near noon, cloudy all day	NW 0.			
Novr 5.	29.32	little sun, denser clouds after 4 pm, and	NW 1.			
	29.51	showery with hail & rain. Cloudy night.	NW 2.	35	41	48
Tuesday	29.75	Clear morng. and very bright all day,				
Novr 6.	29.83	and the sun's rays were very warm,	W 1.			
	29.82	& grateful. Hazy eveng and wd veered.	SE 0.	41	37	48
Wednesday	29.61	Overcast and rain till 10 am, afterwards				
Novr 7.	29.56	bright with clouds flying, very warm air,	SSE 2 & 3.			
	29.54	cirri clouds above the cumuli.		41	52	57
Thursday	29.59	Cloudy & windy before sun rise, clear afterwards	SW 4.			
Novr 8.	29.63	very bright, warm, & pleasant till 3½ pm,	SW 3.			
	29.62	a few small cumuli & lines of collapsed Cirri.	SW 1.	49	48	54
		Clouded over with dark cir'strati at 4 & after.	wet night	at 9	46.5	
Friday	29.46	Overcast & much rain all the morng & forenoon;	SW 0.			
Novr 9.	29.51	clearer afternoon & fine. Bright star light	SW 1.	45	47	49
	29.58	eveng, and night, and nearly calm.				

Day.	State of Barometer during day.	Phenomena of Atmosphere in November 1838.	Point of Wind and force of same.	Thermometer, Lowest during last night.	At 8 Morng.	Highest State in the day.
Saturday	29.70	Clear morng; and chiefly sun in the day.	SW 0.			
Novr 10.	29.82	very fine & pleasant. large cumuli about horizon,				
	29.87	cir'strati across, & cirro-cumuli above, and some	SW 0.	37	36	48
	clear night.	varied cirri. A very black Nimbus Cloud in the				
		N & NW at 4 pm which came up with hail & sleet.	NW 1.			
Sunday.	29.79	Thick fog & frost, continued fog till afternoon,				
Novr 11.	29.74	clearer after 3 pm. hazy clouds, & more mild.	NE 1.			
	29.84	Brisk wind set in after dusk, some clouds.	NE 3.	32	31	40
Monday,	30.16	Clear & brisk NE wind: dense cumuli in the				
Novr 12.	30.28	day, yet mostly bright. slight storm of	NE 3.			
	30.41	sleet 1 pm. clear and frosty night.	NE 1.	35	35	46½
Tuesday	30.51	Clear & Frost very white & hard on land. Very				
Novr 13.	30.50	bright sun all day; few cirri clouds.	NE 0			
	30.47	Clear night & very white hard frost.		30	30	46
Wednesday	30.37	Clear & sharp white frost, very bright day, white	ENE 0			
Novr 14.	30.28	cir'strati and grey clouds below: very fine, &	ESE 2			
	30.22	pleasant weather for the season! Cloudy night.	ESE 3	28½	30	46½
Thursday	30.05	Overcast, very mild and calm, and not	SE 1			
Novr 15.	29.93	unpleasant. Overcast & damp evening,	SE 0.			
	29.90	little mizzle. and wind veered 6 pm.	WNW 1.	40	42	48
Friday.	29.82	Thick fog all day, yet the sky above was	SW 0.			
Novr 16.	29.79	at times visible. Very calm, & rather cold.	W 0.			
	29.79	Mizzling & thick night, more wind.	WNW 2.	36	34	44
Saturday.	29.83	Cloudy morng. clearer as day advanced.	SW 0.			
Novr 17.	29.84	Afternoon bright and pleasant, very calm,	WSW 0.			
	29.84	with cir'strati white clouds. Hazy night.	calm.	38	41	47
Sunday.	29.77	Cloudy and rain all day, except about noon,		New moon 2½ pm.		
Novr 18.	29.83	brisk NE wind. Elm leaves & some oak now	NE 2 & 3.			
	29.82	falling fast. The trees nearly stripped!		37½	40	44½
Monday.	29.77	Overcast, very gloomy & cold. with rain, and	ENE 4			
Novr 19.	29.70	after 1 pm Snow & rain. Cold & boisterous.	E 4.	38	37½	36
	29.64	Night overcast & wet. very unpleasant.	ENE 3			

Day.	State of Barometer during the day.	Phenomena of Atmosphere in November 1838.	Point of Wind, & strength of same.	Thermomr. Lowest in last night	At 8 A.M.	Highest in the day.
Tuesday	29·70	Cloudy, but drier & finer than last night;	N.E. 2.			
Novr. 20.	29·80	very cloudy all day, yet fine. Cloudy	N.E. 1.			
	29·84	night, with brisk E wind, rather cold. —	E. 3.	35	35	38½
Wednesday	29·62	Cloudy and dull, with cold brisk wind. —	E. 3.			
Novr. 21.	29·51	Very cloudy and cold all day; dark night	E. 3.			
	29·49	and little wet, and rather milder.	E. 3.	35½	38	39
Thursday	29·35	Overcast and thick light rain till noon,	E.N.E. 2			
Novr. 22.	29·41	afterwards bright with flying clouds, and	S.E. 2.			
	29·50	very mild. Night partly star-light. —		39	43	49
Friday.	29·62	Cloudy, little wet 7 a.m., day cloudy and cold.	N.E. 1.			
Novr. 23.	29·70	the clouds blue & grey, but fine and dry.	N.E. 2.			
	29·71	colder as day passed; Cloudy & cold night.		38	40	38
Saturday	29·72	Cloudy, and very cold; fine day, clearer				
Novr. 24.	29·82	after noon but very cold. Eveng clear, and	N.E. 2			
	29·90	frost commenced at 4 pm. Thermr 31° at 4½ pm,		34	35	37
		yet at 8 it was 33·5 & more wind, but clear.				
Sunday	30·08	Severe frost, some clouds & sleet at 9 a.m.,				
Novr. 25.	30·11	very bright near noon, more cloudy af-	N.E. 0.			
	30·11	terwards, Fine serene night, frosty air.		25	27	39
Monday	30·04	Chiefly clear and frost, some small dense	S.E. 1.			
Novr. 26.	30·07	& dark clouds at ☉ rise, Eastward: very clear	S.E. 2			
	30·03	after 8. Fine bright day, ranges of cirri in	E.S.E. 2. & 3.	29	29	36
		zenith from SE to NW. Very cold. Bright moon				
		this eveng & severe frost with piercing wind	(Thermr 8 pm 28.)			
Tuesday	29·75	Severe & very hard frost, broken cir-strati,				
Novr. 27.	29·51	red with rising ☉. Piercing wind all day,	E.S.E. 3			
	29·39	cloudy more or less. Milder night little sleet.	S.E. 4.	27	29	35
Wednesday		Cloudy & changes, little wet, clearer forenoon				
Novr. 28.	29·21	& finer: after 1 pm cloudy with violent gales	S.S.W. 4			
	29·05	& little rain. Heavy rain & snow after 3.	S.E. 5=6			
☞	*28·84	& violent storm of wind from S.E. —		34	42	47
	*28·81	*The Baromr extremely low, & tempestuous night. Lower than for near 17 yrs past, except Feb 9th last.				

Day.	State of Barometer during the day.	Phenomena of Atmosphere in November 1838.	Point of Wind and force of same.	Thermometer. Lowest during last night	At 8 A.M.	Highest in the day.
Thursday	28·81* 28·82	Excessively stormy, driving rain & hail 4½ am	S.W. 5.			
Novr. 29.	28·82	with lightning & Thunder! Strong gales with	S.W. 4.			
	28·86	dashing showers through the day, sun at times. —		44	49	49½
Friday.	29·00	Chiefly bright with flying clouds, and cir-	S.W. 3. & 4.			
Novr. 30.	29·10	ri of both kinds above them. Fine moonlight	S.W. 3.			
	29·31	eveng, little hazy & halo. The same last night		46	43½	51
		also. Mild and pleasant day!				

Conclusive Observations, Novr. 1838. —

Barometer.	Inches.	Thermometer.	
Highest on 13th —	30·51	Highest on 7th —	57°
Lowest on 28th night	28·81	Lowest on 25th —	25
Range —	1·70	Range —	32
Mean State —	29·66	Mean State —	41°

Depth of rain 2·78 In. Fine days 19. Prevailg winds N.E. S.W. & S.E.

This month was wetter than any previous in this year, except June, and both were seasonable supplies! Novr has been changeable, but still seasonable. Considerable sickness in the Towns, & Small Pox especially raging still!

Day.	Barometer	December 1838.	Point and force of Wind.	Thermometer. Last night	8 morn.	Highest in the day
Saturday	29·59	Cloudy with sun, mild & pleasant with				
Decr. 1.	29·63	fresh breeze: some cir'strati: cloudy & stormy	S.W. 3.			
	29·50	eveng, wet night, & wd to S.S.E. 4. Thermr 54°. —	S.W. 2.	42½	45	50
Sunday,	29·55	Very stormy atmosphere, much cumulostrati	S.S.E. 2			
Decr. 2.	29·57	and Nimbi, cirrostrati across; very mild and	S.W. 4.			
	29·60	often bright. Heavy rain at midnight from SSE	S.S.E. 4.	54	49	54
Monday	29·55	Chiefly bright all day, white cirri & cirro-	S.S.W. 1.			
Decr. 3.	29·53	strati: moon rose clear & at 6 pm a Lunar	S. 1.			
	29·55	Rainbow appeared in a long cirro-stratus SW,		41½	44	49
		the cloud came up with a shower & appeared as a				
		hazy elliptical cloud in Zenith, then passed	S.W. 1.			
		to N E, preserving the same long form with				
		straight edges above & below, & pointed ends. —				

Day	State of Barometer each day	Phenomena of Atmosphere in December 1838.	Point and force of Wind.	Thermometer: night frost	8 morng.	Highest in the day
Tuesday	29.57	Bright & pleasant, a few white cirri clouds.	SW 0.			
Decr. 4.	29.70	warm & delightful day. Clear and moon-	SW 1.			
	29.75	light night, and several Meteors falling.		39	41	47
Wednesday	29.86	Cloudy morng, little rain & sleet, chief-	W 1.			
Decr. 5.	29.92	ly cloudy; little showers & sleet; evening	NW 2.			
	30.11	clearer yet clouds at times.	NNW 1.	35	40	44½
Thursday	30.31	Cloudy and calm, rather cold yet ve-	NW 0.			
Decr. 6.	30.35	ry pleasant & fine. Night at times clear	SW 0.			
	30.34	and at others cloudy. Little frost.		41	41	45
Friday	30.30	Overcast and wet at times, finer & clear-				
Decr. 7.	30.32	er after 3 pm, but still gloomy & damp;	NW 0			
	30.40	Clearer night, numerous small meteors.		34½	41	47
Saturday	30.40	White frost, day chiefly sunshine, but				
Decr. 8.	30.41	cold & frosty. Some haziness, but chiefly	NW 1.			
	30.47	clear and frosty night.		31	31	42
Sunday	30.48	Frost considerable, but hazy & some clouds,				
Decr. 9.	30.46	red cirrus at ☉ rise & ☉ set. Frosty even-	NNW 0.			
	30.43	ing, mist below; calm all day.		29	30	38
Monday	30.40	Frost, white & hard, sun rose in golden lines				
Decr. 10.	30.28	of cir'strato, day bright and very fine.	NW 0.			
	30.23	Cloudy night; somewhat milder after 9 pm.	SW 1. W 1.	29	30	39
Tuesday	30.38	Cloudy, calm & mild morng, and so till 3	NW 0.			
Decr. 11.	30.41	PM. cleared before 4 and more frosty again.	NW 0.			
	30.43	Clear and frost eveng and night.		34½	37	43½
Wednesday	30.39	Cloudy & change again chiefly cloudy, &	SW 1.			
Decr. 12.	30.38	rather moist, cleared at 3 pm, but cloudiness	W 0.			
	30.40	returned. Overcast & very dark night.	SSW 0.	29	35	43½
Thursday	30.40	Overcast and very dark clouds, exceeding-	SSW 0			
Decr. 13.	30.41	ly gloomy yet fine and mild. Night as	SW 0.			
	30.43	the day calm and overcast.		38½	39	43¾
		These three days alike in temperature du-				
		ring the afternoons.				

Day	State of Barometer each day	Phenomena of Atmosphere in December 1838.	Point and force of Wind.	Thermometer: night frost	8 morng	Highest in the day
Friday	30.47	Clouded morng, lofty blue & grey clouds, clear-				
Decr. 14.	30.48	ed after 9, bright day till 3 pm, then ra-	NW 0.			
	30.49	ther more clouded again. Cloudy evening.	NE 1.	39	38¾	47
Saturday	30.48	Clear and little frost, bright day, and ve-				
Decr. 15.	30.43	ry pleasant, nearly a calm still as for sev-	NE 0			
	30.43	eral days past. Night rather cloudy.	NE 1.	31½	31	43
Sunday	30.45	Cloudy, serene, and calm, very plea-	SE 0			
Decr. 16.	30.47	sant and fine. Cloudy evening and	SE ½			
	30.48	night nearly the same as for days past.		33½	37	40½
Monday	30.45	Very cloudy and gloomy, calm and uni-	SE 1.			
Decr. 17.	30.44	form state of air. Colder to day, and ap-	ESE 1.			
	30.44	pearance of Frost & snow coming on.	new moon 1 morng.	35	35	38½
Tuesday	30.44	Cloudy morng till 8, then clearer, day bright				
Decr. 18.	30.40	and calm with keen air, Evening clou-	variable chiefly NE 0.			
	30.36	dy and great appearance for snow.		33	31½	34½
Wednesday	30.31	Cloudy & freezing; very cold in the morn-	SSE 1			
Decr. 19.	30.29	ing. Very cloudy & gloomy day, but less	SW 0.			
	30.28	cold. Cloudy night and more wind.	S 1 & 2	30	30½	36
Thursday	30.30	Clear and frost, bright and beautiful win-				
Decr. 20.	30.32	ter's day, more cloudy after 3, and fine	S 1			
	30.39	eveng, partly clear. Night cloudy.	SSE 1.	30	33	41½
Friday	30.48	Cloudy and gloomy, foggy afternoon, ve-				
Decr. 21.	30.40	ry cold wind. Overcast evening and	SE 2			
	30.29	night: Roads & fields dry & clean.	SE 2	33	34	38½
Saturday	30.21	Cloudy, little sleet and hail, and cold				
Decr. 22.	30.17	wind. Overcast and little wet after noon.	SSE 3			
	30.09	cloudy night, little wet.	SE 2.	31	33	35½
Sunday	29.76	Overcast, and continual rain, little snow	SSE 4.			
Decr. 23.	29.65	with it, cold, wet, and boisterous day.	SE 4.			
	29.60	Wet and windy night. Unpleasant		34½	38	41
		weather these two days.				

The Phenomena of atmosphere in December 1838.

Day	State of Barometer during the day	The Phenomena of atmosphere in December 1838.	Point of wind and force of same	Thermometer: Lowest in the night	At 8 morn^g	During day
Monday	29.50	Overcast foggy, some cold drizzle and				
Dec^r 24.	29.45	increasing coldness. Rain & snow at	SE 3			
	29.50	6pm. Clearer night and frost.	ESE 3	37	37	36
Tuesday	29.69	Frost, chiefly clear till 2pm, small	NW 1			
Dec^r 25.	29.83	showers of snow, overcast and very heavy	NNW 2			
	29.94	snow from before 3 to 4 pm. Night frost.	N 1	28	28	34
Wednesday	30.00	Clear and frost; more hazy at noon, and	N 0			
Dec^r 26.	29.84	overcast afterwards, very thick & gloomy.	SSW 1			
	29.69	Windy night, cloudy & little rain.	SSW 4	27	25	34
		Rain & snow at 9 & 10 pm, the snow falling	SW 5			
	29.64	in large masses, rather than flakes.				
Thursday	29.71	Chiefly clear, but windy and cold, little				
Dec^r 27.	29.86	thaw, but considerable snow lies with wa-	NW 2			
	29.97	ter and mire; roads bad to day. Clear night.	NW 3	32	33	38
Friday	30.25	Bright all day and calm, no clouds,	WNW 1			
Dec^r 28.	30.37	very slippery in the roads, clear evening	NW 0			
	30.41	and sharp frost. haze below.		30½	31	37
Saturday	30.31	Cloudy and change, overcast, little wet	S 1			
Dec^r 29.	30.27	Evening and night cloudy, and little	SSW 2			
	30.30	rain at times; brisk gales.		27	32	40
Sunday	30.22	Cloudy and mild, light rain at times,	SW 3			
Dec^r 30.	30.12	and wind brisk & squally. Sudden storm	SW 4			
	30.19	of rain 7½ pm, finer night, less wind.	WSW 2	40	46	48
Monday	30.38	Chiefly bright, rather hazy, but no				
Dec^r 31.	30.53	clouds, wind brisk. Very bright even-	WNW 2			
	30.59	ing, moon unclouded and Full now.		33	33	39

This was a fine month, and generally mild for the season. The small pox raging still in most Towns, and here & there a case in the country occurred even in thinly peopled villages. Several cases of sickness of other kinds also.

1838.

Conclusive Remarks for Dec^r.

Barometer			Thermometer	
Highest Dec 31st	30.59		Highest on the 2nd	54°
Lowest on 24th	29.45		Lowest on 26th	25°
Range	1.14		Range	29
Mean State	30.02		Mean state	39.5

Depth of rain 1.42 Inches; Fine days 24; Prevail^g wind NW.

Monthly depth of rain, & days fine.		
January only	.70	& fine days 20
February	.84	20
March	1.38	22
April	1.12	19
May	.94	20
June	3.37	18
July	1.77	21
August	1.70	23
Sept^r	1.57	23
Oct^r	1.68	22
Nov^r	2.78	19
Dec^r	1.42	24
Total	18.67	Total 251

N. B. The year 1838 produced less rain than any for several past, proving the finest harvest we have known for a long time. But the snowy days in Jan^y, Feb^y & April greatly reduce the list of fine days, so that it does not seem to agree with the small depth of rain given.

Table of Winds 1838.

1838	E	W	N	S	NE	SE	NW	SW	Prevailing winds
Jan^y	3	0	1	4	15	4	4	0	NE
Feb^y	2	0	0	1	9	10	4	2	SE & NE
March	2	1	2	0	2	6	8	10	SW
April	0	3	3	1	1	3	14	5	NW
May	2	2	2	4	11	5	2	3	NE
June	0	1	1	2	1	8	4	13	SW
July	0	6	0	2	0	4	7	12	SW
Aug^t	0	7	0	0	0	1	7	16	SW
Sept	3	1	0	5	3	4	8	6	NW & SW
Oct	0	3	3	1	4	3	6	11	SW
Nov	2	2	0	2	8	7	1	8	SW & NE
Dec^r	0	1	0	3	2	6	10	9	NW & SW
Totals	14	27	12	25	56	61	75	95	SW & NW

Remarks on the Year of our Lord 1838.

The distinguishing features of 1838, were the extreme severity of the Winter, and general dryness of the weather in these Eastern parts, during most of the year.—

In June we had much rain at times, also in Nov, both of which were much wanted supplies, but the remainder of the year with us, was very dry!

The coldest day was the 20th of January Thermomr. 2½°. And the hottest was the 6th of July, Thermomr. 81°. in the Year 1838.

The Baromr. reached the highest point for the whole year on March 28th, which was 30·63, and the lowest on Feby 9th, and Novr 28th, when it fell to 28·81!! This was lower than for many years past!

Maxm.	30·63	Baromr.	Maxm.	81°	Thermomr.
Minm.	28·81		Minm.	2½	
Range	1·82		Range	78½	
Mean	29·72	for 1838.	Mean	41¾	for 1838.

These are only the mean of the extremes.

At the Period of closing the register for 1838, wheat is selling at 2 Guineas per Coomb, and Flour 3/ to 3/6 per Stone! The season is therefore oppressive for the poor, except the wealthy give them assistance. Well for them however the present winter as yet has not been severe, like last winter.

The Winter of 1838 was on the whole the most severe throughout Europe which has occurred in the memory of Man! In England most evergreen shrubs completely destroyed by the frost in January and February: the number of degrees of frost during the winter from Nov 1. 1837 to Feby 28. 1838, equal to 511!

"Finis coronat Opus".

The Phenomena of Atmosphere, — in — January 1839.

Days.	Barometer during the day.	The Phenomena of Atmosphere, in January 1839.	Point and force of the wind.	Thermometer: During the last night.	At 8 morng.	In the day.
Tuesday	30·38	Cloudy morng little wet at 8. and brisk	SW 3			
Jany 1st.	30·19	gale, clearer day, bright afternoon & windy	W 4. & 5.			
	30·08	much silvery ribbed cirrocumuli, most of	WSW 5.	32	38	45½
		the day at times. Very windy all night.				
Wednesday	30·02	Clear and windy, mostly bright during				
Jany 2nd.	30·08	the day, more clouds after 2, threatening	WNW 4.			
	30·12	hail or snow, and wind boisterous.		39	41	44
Thursday	30·01	Cloudy morng, cleared at 9. very bright, mild	SW 2			
Jany 3rd.	29·88	and beautiful day, till 3. then more clou-	WSW 3			
	29·70	dy & wind increased. Windy and mild night		37	45	47
		flying clouds passing the moon.				
Friday,	29·55	Squalls of wind & little sudden shower be-	WSW 5.			
Jany 4.	29·61	fore day break. then gentle breeze, but be-	WSW 1.			
	29·76	came boisterous after noon, flying cumuli	WSW 4.	41	42	44½
		& white cirro-strati above, sun chiefly bright.	clear night.			
Saturday,	29·70	Clear and hard frost, chiefly bright till				
Jany 5.	29·62	after 1pm. then hazy and cloudy. Clearer	SW 2			
	29·62	night, and hard frost. Vivid lightning East.		30½	32	39
Sunday	29·79	Hard frost, clear before ☉ rise, hazy in the	SW 1.			
Jany 6.	29·66	day, overcast, & snow commenced after 3pm.	SSW 2.			
	29·40	Snow & rain eveng & night. wind strong.	SSE. 4. & 5.	30	30	35
Monday	28·98	Tremendous Hurricane set in at 3 a.m.				
Jany 7.	29·11	and raged with awful violence, unabated	WSW 7. & 8.			
	29·14	till after 6: continued violent till noon,	WSW 8.			
		yet abating: very strong all day, chiefly sun,	WSW 6			
		thin clouds. Snow storm 8 PM, & strong gale.	W 7 to 5.	33	44½	43
Tuesday,	29·42	Frost & clear in part, heavy snow storm at	WNW 7			
Jany 8.	29·52	7 a.m. & strong gale. Day chiefly bright, very	NW 6.			
	29·61	cold sharp wind. Night chiefly clear, and	W 3.	29	29	34
		wind ceased, & lightning in the East!				
		Rather singular, so much electrical phe-				
		nomena, and yet sharp frost setts in.				

The Phenomena of Atmosphere in January 1839.

Day.	State of the Barometer each day.	The Phenomena of Atmosphere in January 1839.	Point and strength of Wind.	Thermometer. In the past night.	At 8 morn.	In the Day.
Wednesday	29·72	Very clear, and sharp frost, with ve-				
Jan.y 9.	29·95	ry brisk piercing wind. clear night	NW 4			
	30·05	and very severe frost. Therm. 23 - 8 pm.		27	27	30
Thursday	30·31	Severe frost in past night, abated this	W 1.			
Jan.y 10.	30·28	morng, some clouds; day chiefly bright, but	SW 1.			
	30·30	hazy & smoky air after 1 pm. Some clouds		21	27	36
		to night, & frost but little.	SE 2.			
Friday,	30·20	Cloudy and thaw, little wet, and dark	S 3.			
Jan.y 11.	30·15	unpleasant day, with brisk wind.	SW 3.			
	30·11	Overcast and dark night.		32	39	43
Saturday	30·27	Cloudy & mild morng, clear day, and	NW 0.			
Jan.y 12.	30·29	very mild & pleasant, more cloudy after	NW 1.			
	30·30	2pm. - Night clear in part, wind gentle.		41½	43	45½
Sunday	30·06	Change to great mildness, windy, with	WSW 4			
Jan.y 13.	29·99	many clouds flying. Strong gale & sun	WSW 6.			
	30·03	at times during the day. Eveng clear.	WSW 3.	36½	48	51¼
Monday	30·03	Cloudy with marked cir'strati, and per-				
Jan.y 14.	29·91	fect lines of this form ⌒⌒⌒ across the	WSW 3.			
	29·78	North at 9 a.m, and ribs or waves across	W 3 - 4.	40	41	44
		the sky. Cloudy all day & windy, clearer eve-	W 2.			
		ning and Aurora Borealis.	W 5.			
Tuesday	29·78	Clear & hard frost, with strong wind, in	W 5.			
Jan.y 15.	29·77	the morng; chiefly bright with high wind	WNW 6.			
	29·90	all day, dense cumuli flying. New moon 3 pm.	NW 3.	32	32	40
Wednesday	29·96	Hard frost, very bright, and clouds	NW 2.			
Jan.y 16.	29·94	few, some cir'strati. Piercing wind and	NW 2			
	29·95	very hard frost to night.	NW 3.	28	29	37
Thursday	30·02	Some clouds, piercing wind, and very	NW 3.			
Jan.y 17.	30·06	hard frost. little sun, but chiefly clouds,	NW 2.			
	30·12	little snow after 1 pm. Fog at 7½ pm.		28	30	35½
		Clearer night, and sharp frost.	N 1.			

Day.	State of Barometer daily.	The Phenomena of Atmosphere in January 1839.	Point and force of Wind.	Thermometer. In the past night.	At 8 morn.	During the Day.
Friday	30·18	Very hard and white frost, some hazy cirro	WNW 2			
Jan.y 18.	30·17	strati & few flakes of snow, in the morning,	NW 1.			
	30·14	bright day; froze considerably till noon. Some		26	26½	34
	30·11	cirri P.M, rather hazy night, Therm 30° - 6pm.	SW 1.			
Saturday.	29·64	Overcast. change to mild & rain, some snow	SW 4.			
Jan.y 19.	29·38	before day break. Heavy rain & strong wind	WSW 5.			
		most of this day; dark & unpleasant.	W 4.	29	41	46
	29·79	Cleared at 4 pm, wd veered. frosty eveng, and	NW 3.			
		Aurora very bright in N. Hard frost.				
Sunday	30·01	Much ribbed cirrostrati clouds, cirri	W 2.			
Jan.y 20.	30·07	above, sun gleaming, & wind brisk: ha-	WSW 3			
	29·94	zy & thick & less wind after 3. Wet eveng & night.	SW 1.	32	36	40
Monday	29·72	Overcast & continual rain from 6 last eveng	NE 1.			
Jan.y 21.	29·80	and till 2pm to day, clearer & fine after 3;	NE 1.			
	29·92	floods in the vales! Fine night & frost.		38	41½	42
Tuesday	30·11	Frost and clear morng, few flakes of snow on	N 1.			
Jan.y 22.	30·21	the ground. Stormy cumuli, with sun bright	NNW 3			
	30·38	between, little snow. Eveng clear & frost.	NNE 3	30	31	39
Wednesday	30·55	Storm of sleet and snow with a gale, before	NNE 4.			
Jan.y 23.	30·57	1 a.m. Frost with some clouds & sleet 8 a.m.	N 1.			
	30·61	Fine day, bright at times, dense frozen clouds		31	32	40
		floating. Cloudy night, and frost.				
Thursday	30·56	Cloudy and frost, day clear, chiefly bright,	NW 2.			
Jan.y 24.	30·48	and gentle breeze. Cloudy eveng & night,	WNW 1.			
	30·40	wind increased, some rain at times.	NW 3.	30	32	41½
Friday,	30·15	Cloudy & in part overcast & rain. little snow 8 a.m.	NW 3.			
Jan.y 25.	30·01	Stormy day with hail; black cumuli clouds:	NW 3.			
	30·00	rain & sleet at times, cloudy night.	N 2.	34	38	44
Saturday,	30·21	Frost, and at times heavy snow. Very stormy	NE 2.			
Jan.y 26.	30·32	day, thick & heavy snow storms, sun between	NE 3.			
	30·41	& brisk gale. Frost night. hail at times.	2.	30	30	34
Note.		Snowdrops now perforating the sod!				

Day.	State of Barometer each day.	Phenomena of Atmosphere, in January 1839.	Point and force of Wind.	Thermometer night past.	At 8 morng.	In the Day.
Sunday	30·45	Cloudy with frost, little snow, sun at times	NE 2			
Janʸ 27.	·38	gentle wind. Cloudy night, and frost, but	NE 1.			
	·32	still only gentle frost as many past.	same 1.	30	32	34½
Monday	·11	Cloudy with frost, little sleet, become over-	N 0.			
Janʸ 28.	29·93	cast & thick at 8 a.m. Damp, gloomy & overcast	NW 0.			
	·80	all day & calm. Clearer eveng, wind rising.	NW 2.	28½	30	35½
		Considerable snow during the night & slt frost.				
Tuesday.	·61	Clear and severe frost; new snow, an Inch or	NW 1.			
Janʸ 29.	·36	more in depth. Bright till 1pm with cirri nu-	W 1			
	·20	merous, haziness followed, overcast & snow at 3.	SW 4.	23½	24	34
Frost returning with increased Severity.		Heavy Snow till 5pm. clearer night; wd again	NW 2. great changes during this day.			
		veered, and severe frost. Full moon 4 pm.				
Wednesday	·24	Very severe frost; no cloud, all the morng, and	NW 2			
Janʸ 30.	·15	forenoon; freezing all day; clouds increased after	NW 3-4			
	·06	1pm. snow began before 4. Fine eveng, & severe frost.	NW 1.	18	18½	29½
		From 10pm great fall of snow most of the night.				
Thursday	·19	Overcast, very great fall of snow; severe frost.	NW 2			
Janʸ 31.	·40	continual Snow, extremely heavy till after 10. clearer & sunshine 1 & 2pm, and snow extreme heavy again	NE 1. & 3.	21	28	30
	·72	at ¼ past 3. and at times during the eveng, & night. Sometimes clear and severe night.				
		Thermomʳ during night 19°. Snow 15 inches deep.	NE 2.			

Barometer, Janʸ 1839.		Depth of rain in Janʸ 1·41 In.	Thermometer, Janʸ 1839.	
Highest on 23rd	30·61	fine days 17.	Highest on 13th day	51·25
Lowest on 7th	28·98	Principal wind NW, & next the SW.	Lowest on 30th	18
Range of Janʸ	1·63		Range of Janʸ	33·25
Mean of Do	29·795		Mean of Do	34·625

This Month was exceedingly changeable throughout, with violent storms of wind at times, yet on the whole a seasonable time, with some severe weather, especially at the close: the snow is about 15 Inches or more in depth while this report is being given. The Small pox is becoming less at Ipswich, but it prevails greatly at Stowmarket, and many scattered cases have occurred in the villages, & some near us! Scarletina & other Fevers common, and many Deaths in the Towns. Flour and wheat falling.

Day.	State of Barometer, each day.	Phenomena of Atmosphere, in February 1839.	Point and force of Wind.	Thermometer night past.	At 8 morng.	In the Day.
Friday,	30·03	Very severe frost, snow at times, and sun at	NNW 2			
Febʸ 1st.	·07	times; changeable throughout: overcast ev-	NNW 2			
	·07	ening & night. frost more gentle.	N 2.	19	27	33
Saturday.	·13	Cloudy morng with frost, day clearer: at	N. 0.			
Febʸ 2nd.	·17	times bright, calm and fine. At 4 & 5 pm	N. 0.			
	·17	severe frost, little rime. Overcast & less cold after 6.	SE 0-1.	29 (5pm 24½)	30	36½
Sunday.	·02	Overcast, heavy snow & sleet all the forenoon,	SE 2			
Febʸ 3rd.	29·94	foggy, gloomy afternoon & thawing all day.	SE 1.0			
	·93	Foggy calm night, and frost.	SE 0.	24½	33	37
Monday.	·97	Frost & fog partly clear above:-fog increased,	ESE 1.			
Febʸ 4.	·94	very thick & foggy; gloomy day and Thaw.	SSE 2.			
	·87	Heavy rain all the eveng after 5pm: & thermʳ 39.	SSE 3.	26½	27	38½
Tuesday,	30·12	Clear morng; the Snow above half gone, floods in	WNW 1.			
Febʸ 5.	·22	the vales. Hazy as day came on, increased hazi-	SW 1-0			
	·17	ness, yet mild & nearly calm. Overcast & wet night.	SE by S. 1.	34	35	44
Wednesday	·21	Overcast, foggy, and thaw continues; floods in-	SE 1.			
Febʸ 6.	·24	creasing. Overcast all day, wind veerg to NE & E.	NE 1. E-1.			
	·26	& back to SE. Little drizzle and dark night.	SSE 1.	36½	38	43
Thursday	·30	Cloudy, mild & pleasant; sun gleamed at noon, but foggy thick & moist afterwards: little wet.	SW 1.			
Febʸ 7.	·35	The snow-drop shews its blossom-bud. Aconite in flower, & Daffodil coming up. Clearer after 4.	SSW 1.			
	·33	Windy and mild night.	S 3.	39	46	52
Friday,	·42 ·43	Cloudy, and very mild & pleasant; little sun	SW 2.			
Febʸ 8.	·39	at noon. More cloudy after 1pm, but very	SSW 2.			
	·33	mild still. Night cloudy & warm.	same 2.	45	47	52½
Saturday.	·36 ·39	Cloudy, and very mild, little sun, plea-	SW 2			
Febʸ 9.	·33	sant weather, wind brisk. Snow-drops in flow-	SW 3			
	·33	er: Windy eve, little wet during nt; Thr 50. 9pm.	same.	47	49	53½
Sunday.	·49	Clear morng, some cirri, very bright all day	WNW 1.			
Febʸ 10.	·53	warm sun, nearly calm, sometimes quite.	NW 0.	50	38	45 to 49
	·58	Beautiful & lovely day. A thermʳ hung outside a	W 0.			
		South window at noon was 81° in the sun!				
		Clear Eveng; and frosty.				

The Phenomena of Atmosphere in February 1839.

Day.	Barometer.	The Phenomena of Atmosphere in February 1839.	Point and force of Wind.	Thermometer. Night past.	At 8 morn.	In the day.
Monday Febr. 11.	30·51 -·46 -·41	Foggy, little frost. Cloudy all day, some fog till near noon clearer after 3: eveng and night chiefly clear, some clouds, & wind.	SE 0. SSE 2. SSW 2.	30½	36	46
Tuesday. Febr. 12.	-·33 -·30 -·28	Drying morng. chiefly sun, much silvery white cirrostrati, and minute divided cirrocumuli; in beautiful spots like scattered filaments of wool near the zenith to SE.) — Observed a flock of wild geese very high & in orderly flight, 8½ a.m. — making their course to NW. Flying clouds with sun at times all day, fine dry, & pleasant. Cloudy night, little rain.	SW 3. SW 3. SW 2.	40	41	49
Wednesday Febr. 13.	-·45 -·50 -·40	Clear ever since midnight; chiefly bright sun, some white ribbed cirro-cumuli clouds 8 & 9 morng and cirrostrati in the day, yet fair & sunny. — Cloudy eveng. very dark, and wind rather increased, & veered about.	WSW 2. W by N 2 SW 3.	35	32½	48
Thursday Febr. 14.	29·97 -·94 30·09	New Moon 3½ a.m. — Cloudy and windy, increased to strong gales. Fine day, chiefly bright after noon, and strong gales. Very mild air. — Clear night, and wind less.	SW 4–5. SW 5. W 3.	36	47	53
Friday. Febr. 15.	-·12 -·13 29·99	Clear morng; and continued a very sunny day, considerable wind & very drying. Clear night, some thickness on horizon W.	WSW 2. WSW 4. WSW 3.	34	32½	48
Saturday Febr. 16.	-·51 -·60 -·59 -·58	Clouds flying & windy morng, dark clouds & storm of hail & rain 9 a.m, wind veered then: Flying cumuli with sun, the rest of the day. Clear and frosty night, yet the wd S'erly.	SSW 4. W 4. W 3. WSW 2.	39	43	45
Sunday. Febr. 17.	-·51 -·49 -·52	Clear and windy, with frost, bright till noon wind very cold, although SW. black clouds and storms of hail and snow in the afternoon. — Sharp frost to night, and chiefly clear.	SW 3. WSW 3. WNW 4. SW 2.	29	30	41
Monday Febr. 18.	-·59 -·63 -·73	Severe frost, became overcast, and heavy fall of snow began at 9 a.m. — day overcast, and continual snow, heavy & thick at times, & several inches deep. Evening clearer and frost, grey clouds and moon-shine between.	SW 1. NE 0. NE 1. ENE 1.	25	29	35
Tuesday Febr. 19.	-·69 -·66 -·63	Frost considerable, more hazy & little snow after sun-rise. Clouds flying and bright sun in the day, & wind veered. Some clouds with moon & frost, eveng, & night.	NW 1. SSE 1. E 1.	25½	32	41
Wednesday Febr. 20.	-·53 -·65 -·91	Overcast, dark, & unpleasant, sleet, rain, and hail: heavy snow from 10 to near 12, melting as it fell, cloudy but finer afternoon, very cold and gloomy. Strong wind from NE. evening & night. — Very cold to the feelings. —	NE 2. NE 4. NE 5.	30	35	38

The Phenomena of Atmosphere in February 1839.

Day.	Barometer.	The Phenomena of Atmosphere in February 1839.	Point and force of Wind.	Thermometer. Night past.	At 8 morn.	In the day.
Thursday Febr. 21.	30·27 -·32 -·23	Clouds flying & sun between, hard frost morning: Fine day chiefly sun, cloudy after 3. hazy night. Thick sky & frosty, threatening snow.	NE 3. NE 1. SE 0 & 2.	31	33	42
Friday Febr. 22.	29·90 -·87 -·78	Snow early this morng. cloudy raw & cold. Very cloudy all day, but more mild: rain after 3 pm. Heavy rain most of the eveng and night.	SW 2. SW 2 same 1.	31	35	47
Saturday Febr. 23.	-·54 -·72 -·80	Heavy rain & windy morng, drenching storm at ½ pt 9 a.m, then clearer: chiefly bright, clouds flying through the day. Great floods in the low lands. Grey clouds & moon 8 pm, and white ribbed cir-cumuli in elliptical ranges.	SW 4. W 4. WNW 3. W 1.	43	51	49
Sunday, Febr. 24.	-·85 -·82 -·73	Clear morng: day chiefly bright: cumuli clouds floating. Stormy signs towards night; clouds dense. — Mild & serene evening.	NW 1. NW 2 WSW 1.	34	35	49
Monday, Febr. 25.	-·64 -·73 -·89	Clear morng. stormy cumuli with hail, & sun at times. Very black nimbus W & SW at 5 some hail here. Clear night, bright moon.	NW 2. NW 2 NW 1.	33	34	46
Tuesday, Febr. 26.	30·06 -·05 -·02	Frost & very clear morng: day bright and fine. cumuli floating: hazy & cloudy at sunset; grey clouds and halo about moon.	NW 1. W 1. WSW 1.	29	33	46
Wednesday Febr. 27.	29·92 -·87 -·95	Little frost, cloudy with cirrostrati, clearer after 8; cloudy & rain from 10 to 11, bright noon. driving Storms & much hail after 2 pm. — Clear eveng & night, moon very bright.	SSW 2. WSW 2. WNW 3.	32 (Thunder in W. 4 pm. to day.)	35	48
Thursday Febr. 28.	30·16 -·21 -·22	Very clear sky & frost. Full Moon 36m pt 8 morn. Bright and pleasant and drying Day, much warmer & little breeze. Cloudy eveng, and night. warm, and pleasant, and nearly calm.	NW 1. W 2. SW 1.	32	35	52

Physical & Meteorological Report for Feby.

This month was very seasonable, yet not severe, but extremely changeable like the past month. — Fevers and smallpox partially raged, and Catarrhs and general colds prevailed. — The garden sparkles with the Snowdrop & Aconite, long full-blown, and a few primroses are open on the sunny bank! A favourable winter, compared to last.

Further conclusive Remarks upon February 1839.

Barometer		Inches	Observed by	Thermometer	
Max. Feby	10th	30·58	J. Whistlecraft, Meteorologist, Thwaite.	Max. Feby 9th	53·5
Min.	17th	29·49		Min. on 1st morng	19
	Range	1·09		Range	34·5
	Mean state	30·035		Mean state	36·25

Total Depth of rain in February 1839, just 2 Inches. — Fine days 17.
Days of Frost since Novr began — 56. — Degrees of frost all winter — 207.
Prevailing wind in Feby SW. and next the W. — NW. — & SE.

March 1839.
Atmospheric Phenomena

Day	Barometer	Atmospheric Phenomena	Point and force of Wind	Thermometer morng early	Thermometer ½ 8 even.	Thermometer In the day
Friday,	30·13	Cloudy in general, some sun, very fine, and	S 1.			
March 1st.	·06	brisk drying wind. Hazy cirrostrati and lines	SSE 3.			
	·02	of cirrus, eveng & night, moon dim, wd brisk.	SSE 3	39	42	50
Saturday	29·96	Fine, with much cir'strati; & brisk wind, 8 am. —	SSE 3.			
March 2nd	30·00	Very fine and warm day, hazy cir'strati, and sun at times. Primroses in flower. Bees	S 1.	37	39	56
	·08	busy. — Overcast, warm, and damp night, little wet.	S 1 & 0.			
Sunday	·17	Thick fog till noon, cloudy afternoon, but	NE 1.			
March 3rd.	·19	clearer. Clear night, bright starlight after	NE 1.	42	43	50
	·20	9 pm, little frost, & wind East.	E. 1.			
Monday	·19	Clear & frost, morng, clouds & sun, more clou-	E 2.			
March 4.	·21	dy after Noon, very cold and brisk wind.	E 3.	32	37	41
	·22	Cloudy, and very cold night. Thr 34° 8 pm.	ENE 3.			
Tuesday	·23	All clouded, and freezing, sharp Easterly wind.	ENE 2.			
March 5.	·20	cloudy all day, little snow PM. very	ENE 2	31	32	36
	·14	cold and piercing. Clearer night.	ENE 2			
Wednesday	29·99	Sharp frost, frequent snow, and wind pierc-	ENE 3.			
March 6.	·91	ing, sun at times: dense Cumuli clouds.	ENE 3.	27½	28	31
	·80	Remarkably cold for this period! Consider-	NE 3.			
		able snow during the night. Thr 26° at 8 pm.				

The Atmospheric phenomena of March 1839.

Day	Barometer	The Atmospheric phenomena of March 1839.	Point and force of Wind.	Thermometer morng early	Thermometer ½ 8 even.	Thermometer In the Day.
Thursday,	29·59	Sharp frost the night past, & much snow, now	NW 2.			
March 7.	·51	cloudy with sun, snow at times, very thick.	NW 3.			
	·48	Chiefly heavy snow all this afternoon & eveng.	NNW 3.	25	30	37½
Friday,	·74	At ⊙ rise, clear & sharp frost: became clou-	NW 2			
March 8.	·91	dy, frequent heavy snow: Great fall of snow from 10 to 11: clearer and finer afternoon.	N by W 3			
	30·00	Clear and severe frost eveng. Thr 25 at 8. —	NNW 1.	26	32	37
Saturday,	30·01	Chiefly clear, severe frost, bright day, but	NE 1.			
March 9.	·06	very cold. Cumuli floating. Very clear ev-	N 2 & 1.			
	·13	ening & night. & extremely severe. Stars brilliant.	N 0.	24	28	38
Sunday,	·22	Very clear & calm, & extremely severe frost in	S 0.			
March 10.	·28	the morng, wind changed & rather milder after 9 am, chiefly bright sun, fleecy cumuli clouds.	SW 2.			
	·31	Cloudy eveng, little frost, & wind veered again.	SE 2.	17	26	40
Monday,	·31	Frost, but less severe, day chiefly bright, some	SE 2.			
March 11.	·29	cirri, and thin haziness upwards. brisk & cold wind, yet milder to day. Brisk wind	SE 3.			
	·28	eveng & night, rather hazy, stars dim. —	SE 3.	29	36	42
Tuesday,	·24	Frosty morng, rather hazy, yet chiefly sun, wind	ESE 3.			
March 12.	·20	brisk & cold. More hazy after 1 pm, Cloudy eveng	SE 4 & 3.			
	·20	somewhat milder, and less wind.	SE 2.	30½	36	42½
Wednesday,	·15	Cloudy all day, much cirrostrati, little sun	SE 1.			
March 13.	·14	gleaming, few drops of rain: much milder. —	SE 1.			
	·14	Cloudy evening, & signs of rain, stars appd.	SE 1.	33	40	47
Thursday	·12	Hazy, overcast and rain, most of the	SE 1.			
March 14.	·13	forenoon; much cirrostrati, but clearer, & finer afternoon. Overcast night, more wind,	SE 2.			
	·15	and little rain, increased at midnight. —	SE 2·3.	37½	42	45
Friday,	29·98	Overcast and rain: continual rain, and sometimes heavy, till 4 pm, & vales flooded.	SE 2.			
March 15.	·73	Fine eveng, clouds flying, wind veered, and day warmer at 5 & 6 pm than before.	SE & S 3 & 4.			
	·42	New Moon. 12 min p. 2 pm.	SW 4.	42	45	50
Saturday	·32	Mild & little breeze, clouds & sun, bright in	WSW 3.			
March 16.	·34	rising: dark clouds, little showers, some hail, sun at times, and not unpleasant.	WSW 2.			
	·37	Cloudy evening and night.	same	41½	45	51
		Crocus in flower both yellow and purple, cheered by the mild change.				

The Phenomena of atmosphere in March 1839.

Day.	Barometer.	The Phenomena of atmosphere in March 1839.	Point and strength of Wind.	Thermometer. morning early	Thermometer. at 8 morng	Thermometer. In the day.
Sunday March 17.	29·52 -·66 -·83	Overcast and heavy rain with some sleet from 8 till 10 am. Finer at noon, little clearer: more wd and thick fog after 3pm. Cloudy eveng but no fog.—	NNE 1. NNE 2 & 3. same:	37	39	43
Monday March 18.	-·95 -·99 30·06	Overcast and cold, little mizzle at times. few flakes of snow. Stormy atmosphere, dense clouds no sun.— Cloudy evening, and sleet at times. less wind during night.	N by E 3. NNE 2. NNE 1.	34	35	38
Tuesday March 19.	-·05 -·05 -·11	Clear at ☉ rise: then overcast; clearer afternoon with sun, and cumuli clouds, fine day: little hail cloud 4pm. Clear and serene night.	SW 1. WNW 1. W 1.	32	35	46½
Wednesday March 20.	-·02 29·92 -·81	Hazy and thick, little wet in the forenoon. finer afternoon, cumuli flying, sun at times bright; clouds and wind with much shew for rain evening and night. little wet at times.	SW 1. SW 3. SW 3.	32½	38	48
Thursday March 21.	-·65 -·70 -·69	∻ Vernal Equinox, equal day & night. ∻ Cloudy, much cirro-stratus and nimbi with rain at times: finer with some sun from 11 till 1, then cloudy and showers again. Dense clouds & stormy evening. Finer night.	SW 3. W 1. W 3.	42½	45	51½
Friday. March 22.	-·67 -·71 -·76	Stormy, sun at times, dense cumuli & nimbi, some hail: showers distant, & windy day.— Black in SW. 6pm. & long cir'strati across. fine nt.	W 3. W 4–5. W 2.	37½	42	47½
Saturday. March 23.	-·74 -·70 -·71	Clouds flying, cumuli below, cirrostrati above, little sun, fine and warm, but windy. strong gale at 4 & 5 pm.— Evening cloudy less wind, very warm Th 51. 8pm. little wet in the night.	SW 3. SW 4. & 5. SW 3.	42	47	55
Sunday. March 24. During night.	-·75 -·73 -·74 -·65	Warm, bright, and pleasant, small fleecy cumuli, and cirri above. white cir'strati also SE.— Chiefly sun till noon, more cumuli at 1 & 2 pm fine and mild but windy. Crocus and primrose in full flower.— After 4pm, beautiful display of barred or ribbed cirrostrati & cirro-cumuli in ranges SW to NE!— Sun bright then.— Beautiful, serene night. Moon bright. Silvery trains of cirrostrati.	SW 1. WSW 3 WSW 1.	43	48	55
Monday March 25.	-·68 -·68 & -·73	Clear morng, bright and pleasant forenoon, flying cumuli & cir'strati above.— Stormy with sleet hail & rain, sun between, distant thunder. Dense nimbi & cumuli upon them.— Sudden gusts, with the storms. Clear night, bright moon, and stars. gentle wind. Thermr 39 at 9pm.—	WSW 3 W 3. & WNW 4. during storms	40	43	51

The Phenomena of Atmosphere in March 1839.

Day.	Barometer.	The Phenomena of Atmosphere in March 1839.	Point and Strength of Wind.	Thermometer. morning early	Thermometer. at 8 morng	Thermometer. In the Day.
Tuesday March 26.	29·83 -·99 30·03	Very bright all day. warm in the sun, a few small cumuli & little cirrus. Hazy eveng & wind veered since 2pm.	NE 1. E 1.–2. SE 2.	36	41	52
Wednesday March 27.	29·77 -·61 -·53	Overcast, little wet, at 9 & 10; fine and warm at noon, flying clouds & sun; at 2pm clouded again & rain. Cloudy and warm evening.—	SSW 2. SSW 3. WSW 1.	38	46	59
Thursday March 28.	-·45 -·35 -·43	Morng chiefly clear, cirrostrati & cumuli clouds followed after 7. Black Nimbi with driving showers, hail, and loud Thunder. Very stormy day: sun at times.— Evening fine, and clearing but somewhat colder.—	SW 2. W 2 & 3. W 1.	41	46	53
Friday, March 29.	-·52 -·61 -·73	Good Friday:— Cloudy and very cold, change since last night: sleet at times. Evening also cloudy and sleet at times.	N by E. 2 NE 3. NE 2.	39	39	42½
Saturday March 30.	-·89 -·92 -·91	Bright sun, with fleecy cumuli clouds flying, some cirri & cir'strati above in a range from SE. wind brisk & cold from E. and very drying.	E 3 E 3 ESE 3	Full moon 2 morn.— 35	39	45½
Sunday March 31.	-·80 -·76 -·75	Easter Day. Flying clouds below, cir'strati above, sun at times, & boisterous & cold wind. Clouds increased PM. thick cirro-strati, few drops of rain at 4pm.— Cloudy and windy night.— Roads now become dusty.	SE 4. SE 4–5. SE 4. bearing East.	36	42	49½

Barometer.		Prevailing winds in March 1839.	Thermometer.	
Highest March 10 & 11.—	30·31	SE – NE & SW.	Highest, March 27th —	59°
Lowest on 16th —	29·32		Lowest on 10th morng —	17°
Range —	·99		Range —	42°
Mean state —	29·815		Mean state —	38°

This was, for the greater part, a cold and ungenial month, and consequently little progress took place in the vegetable world.— Agricultural pursuits were also checked, yet near the end a partial seed-time occurred.— Bad colds, coughs, rheumatism & some fever therewith, prevalent.——

The Total depth of rain 1·34 Inch. Number of fine days 19.

The barred or ribbed cirro-cumuli & cirrostrati clouds have prevailed much, these three months past, which foreshew winds & storms.——

The Phenomena of Atmosphere in APRIL 1839.

Day.	Barometer.	The Phenomena of Atmosphere	Point and strength of Wind.	morning early	At 8 morng.	For the Day.
Easter Monday, April 1st.	29.73 -75 -80	Much cirrostrati, and windy morng: chiefly bright between 10 am & 2 pm, some cirri & white cirrostrati. More cloudy after 2, and very cloudy night, with strong gales from the East, and very cold.	E 4. E by S 4. E 4-5.	39	42	48
Easter Tuesday, April 2.	-92 30.00 -06	Overcast, snow & rain at times, & strong gale. Finer afternoon, but clouded over, and very cold, with strong wind. Evening and night the same. Piercing wind continues.	ENE 4. ENE 5. ENE 4.	35	35	38
Wednesday April 3.	-03 -01 -04	Cloudy and freezing, with few flakes of snow, and piercing gale. No sun appearing wintry day. Cloudy night, but less wind.	ENE 5. ENE 3. ENE 2.	32½	33	34½
Thursday April 4.	-10 -12 -10	Cloudy and cold. wind less than for days past. Cloudy all day, but rather less so. Clearer after 5, and some stars - night.	ENE 2. ENE 2. E 3.	33	34	38½
Friday April 5.	29.95 -99 30.07	Morning cloudy, windy & cold. more sun & warmer after 10. & till noon, clouds again increased & wind veered E-ward again after 2. Clearer night, and less wind: but cold still.	SE 4. SE 4. E 2.	33½	38	46½
Saturday April 6.	-22 -32 -40	Clouds and sun, wind brisk drying wind. Chiefly bright sun in the day, but wind keen. Very clear and frosty night, stars brilliant.	NE 3. ENE 2. ENE 1.	32	39	48
Sunday, April 7.	-47 -48 -49	Sharp white frost - morng: day fine. clouds & sun between, all cumuli: wind very cold. Eveng cloudy & more wind.	ENE 1. ENE 2 ENE 2.	27½	38	49
Monday. April 8.	-40 -41 -42	Cloudy with sun, some sleet: large cumuli. boisterous E wind, and very ungenial. Dark clouds with sleet & hail, eveng. at times.	ENE 3. E 4. E 3.	31	38	45½
Tuesday. April 9.	-44 -46 -50	Cloudy, and very cold. boisterous & piercing wind continues: clouds dense & rugged. Cloudy and windy night.	NE 3 NE 4. NE 4.	32½	39½	42
Wednesday. April 10.	-53 -55 -57	Bright sun and brisk drying wind. bright all day. a few small clouds, rather more pleasant and warm.	NE 3. NE 3. NE 3.	37	43	50
		Eveng clear and again very cold. Daffodil in flower for several days past, although unseasonably cold.				

The Phenomena of Atmosphere in APRIL 1839.

Day.	Barometer.	The Phenomena of Atmosphere	Point and strength of Wind.	morning early	At 8 morng.	For the day.
Thursday, April 11.	30.59 -57 -54	Clouds and sun: chiefly bright, and very dry & fine, but cold winds continue. Cloudy evening & night. Roads now very dusty, & land dry.	N 3. NE 3. NE 3.	35	42	49
Friday April 12.	-35 -31 -33	Cloudy. few drops of rain 9 to 11 am; - clouds and sun, with boisterous wind. noon & afternoon. Cloudy night & less wind.	N by W 3. N by W 4. same 3.	36	43	49
Saturday April 13.	-31 -31 -31	Very cloudy all the day, yet fine and dry. less wind. & signs of change. Cloudy eveng, & nearly calm. New Moon 11 ¼ pm.	NNW 2. NNW 2 NW 1.	41	43	48
Sunday, April 14.	-29 -30 -31	Cloudy. with sun gleaming at times, much warmer & pleasant. Violets perfuming the air & buds expanding. Cloudy and pleasant night.	WNW 1. NW 1. W 1. WNW 0. SSE 1.	41½	45	57
Monday. April 15.	-23 -13 -11	Cloudy with sun at times gleaming. but not bright: yet a fine and warm day. Vegetation proceeds. Whitethorn or Hawthorn leafd. calm cloudy Nt.	SSE 0. SW 1. S 0.	42	48	57½
Tuesday April 16.	29.93 -82 -70	Cloudy, soft and balmy morng: very fine & warm day, chiefly bright, with fleecy cumuli clouds. birds tuneful & vegetation goes on. {cirri & cirrostrati clouds after 3 pm - show for rain.	SSE 0. SSE 2. SE 2.	42½	49	61
Wednesday April 17.	-43 -56 -65 -61	Cloudy, dense rugged cumuli, wind boisterous and little wet. Stormy and strong wind, hasty showers of hail & little rain: bright sun at times, dense rocky cumuli clouds, and cirrostrati also. Cloudy & windy evening and heavy rain from 8 to 9 pm. Growing showers.	SSE 3. SW 5. W 4. SSW 4.	44	48½	55
Thursday, April 18.	-63 -61 -66 -60	Clear at ☉ rise, but after 8 overcast & rain till 10 am.. bright with cumuli flying, & pleasant day from 11 till 4. wind galy. Evening overcast, and continued rain, and wind settled to nearly calm.	SW 3. WSW 3. WSW 1.	38	46	57
Friday, April 19.	-63 -86 -97	Rainy till 7 morng. day bright with large cumuli clouds, distant showers, some hail & little rain here at 1 pm. yet a fine day altogether. Fine & sunny eveng. some cumuli. less wind.	WNW 2. WNW 3. W 2.	45	49	56
Saturday, April 20.	30.08 -12 -23	Very clear morng; chiefly bright till noon with cumuli clouds. Flying storms & hail with very black clouds PM. Sun at times, wind veery about in all points between W & N. but chiefly NW.	WNW 2. NW 2. NW 1.	38½	48	57
		Birds very musical all this week. Some cowslips in flower all this week. Hawthorn leafed.				

Day.	Barometer.	The Phenomena of Atmosphere — in — APRIL 1839.	Point & strength of winds.	Thermometer: Morning early.	At 8 morng.	In the day.
Sunday April 21.	30·28 ·30 ·33	Cloudy with sun at times, fine, and temperate day. Very dense cumuli & long cirrostrati at a distance. Clear & calm night.	NW 1. NW 1. ESE 0.	37½	47	58½
Monday April 22.	·33 ·30 ·27	Clear morng after ☉ rise: foggy before. very bright and calm till 9 a.m. chiefly sun all day & warm, some cumuli, and gentle wind. Much haziness this evening, and Cirri above, and other pluvial indications.	SE 0. SW 1. S 2.	31½	48	63
Tuesday April 23.	·08 29·98 30·03	Overcast and rain; continual light rain all day: wind veering round to Nward eveng. Finer eveng but cloudy. Horse chesnut leafing.	SSW 2 W 3. NW 2	47	50	56
Wednesday April 24.	·12 ·13 ·17	Bright with large cumuli, hail at 9 a.m. large cumuli with hail & sun at times in the day. Clear and frosty night.	NNW 3. N 3. N 1.	38	47	54½
Thursday April 25.	·14 ·15 ·17	Cuckoo sings. Bright morng: ribbed cirrostrati came on, and cumuli below them. Chiefly sun all day, but cool wind, and more so after 2 pm veering N E ward. Thr 52 at 2. — A very long elliptical cirrostratus across the West p.m. & some smaller, all silver white. —	NW 2. N 2. NNE 2 NE 2. cloudy night.	34	46	55
Friday. April 26.	·22 ·23 ·29	Cloudy and tranquil morng: clearer after 9, fine and pleasant day, clouds & sun, warm, and calm. Adverse currents of clouds at 5 & 6 pm. Fog came on at 8 pm. Foggy night.	NE 1. E 0 & 1. SE 0.	40	47	59½
Saturday. April 27.	·32 ·31 ·36	Fog till 8 a.m, bright and warm day, some very small cumuli passing adverse to the lower current. Very fine and serene weather, and all nature progresses. Sycamore leafed. Willow leafing.	SE 1. SE 0 & 1. SE 1.	38	46	62.
Sunday April 28.	·38 ·40 ·42	Very bright all day, and chiefly calm; Warm & delightful day. Clear night. Thr 45 at 9 pm. Full Moon 7h 24m P.M. Nights still frosty.	E 0. E 0 & 1. ESE 1.	35	50	63½
Monday April 29.	·34 ·28 ·24 ·26	Very bright sun, a few cirri. Hot and calm day; trains of cirri in straight arrangements from SW to N E. pm, which dimmed the sun after 3. — wind to SE at 3 pm. serene eveng and some hazy cirrostrati. Thermr 50° at 9 pm.	NW 0. various but chiefly NW 0. SE 1.	35	52	69
Tuesday April 30.	·22 ·20 ·18 ·16	Beautiful, — enchanting morng, clear, calm serene & warm: birds melodious. No cloud till 11 a.m, Thermr then 70. Clouds came on & increased till near 3, calm & sultry day. Very hot for the season. Cloudy with some sun the rest of the day wind to S. — Thr 68. 4 pm — 64 at 5, and 56 at 8 pm. Sultry night, and all nature opening verdure! —	SW 0. W 0 & ½ S ½.	44	59	70

Conclusive report for April 1839.

Barometer.		Prevailg winds	Thermometer.	
Highest on the 11th	30·59	N E. E.	Highest on the 30th	70°
Lowest on 17th	29·43	and S.W.	Lowest on 6th night	27·25
Range	1·16	Depth of rain	Range	42·75
Mean state	30·01	·83 of an Inch	Mean State	48·625

This month, from the commencement to the 13th was remarkably cold with ungenial Easterly gales, parching and piercing to the retarding of vegetation, with ill effects also on the animal creation. — Catarrhal affections, Rheumatic pains, glandular swellings, with some kinds of Cynance were common all the month. Deaths among the very old, and the consumptive were not a few. — A good seed-time was however made during the month, and after the 13th an agreeable change with some genial showers brought on the verdure of Spring. The end of the month was blessed with brilliant sun, and although the nights were still rather chill compared with the days, yet a gradual daily progress appeared in all vegetation. The large red and brown butterfly appeared on 15th, and the Cuckoo resumed his note on 25th, if not before heard. The appearance of the wheat plants, and spring corn also is altogether good and promises fairly for going on well. Cowslips nearly full out, and getting numerous, and the grass springs. The apple trees bid fairly for much blossom. All nature, although late, is earlier than for 2 or 3 past years at corresponding time. The number of fine days in April 1839 was 23. — and the total depth of rain as above only ·83 of an Inch.

The Phenomena of Atmosphere in MAY 1839.

Day	Barometer	The Phenomena of Atmosphere in May 1839.	Point and force of Wind	Thermometer: Morng early	At 9 morng	In the Day
Wednesday May 1.	30·10, ·05, ·03, ·05	Calm, serene, warm, & delightful morng: chiefly bright and very hot and sultry day, some small compact cumuli and cirro-cumuli above them. Hazy & sultry eveng. Th. 73 at 4 & 57 at 9 pm. — ☞ Remarkably close and hot day, & near 1 pm Thermr near 76. — Poplar trees leafing.	S 0, S 1, SE 0	49	66	75½
Thursday May 2.	·04, ·05, ·09	Hazy morng; cirrocumuli dappled the sky, very hot and calm day, chiefly sun, but many thin clouds, & cirro-cumuli, more clouds this eveng and little wind, somewhat cooler, and signs of change: — yet a pleasant evening.	SE 0, E 0 & ½, NE 1	50	65	71½
Friday May 3.	·07, ·03, ·02, ·04	Cloudy & some fog this morng, day bright after 9 a.m. a few small fleecy cumuli, yet chiefly brilliant sun, and very hot day. Sun set in a cloud, but appeared fiery red, and rest of the sky clear, except yellow haze below.	NW 1, NW 1 & 0, SSE 1	43	54	73
Saturday May 4.	29·95, ·87, ·80, ·75	Chiefly bright sun and very hot day, cumuli clouds increasing after 2 pm. and some dense and black. Cloudy and close evening, nearly a calm. Delightful weather. All nature thrives.	WNW 0, SSE 1, SSE 0	44	61	73½
Sunday May 5.	·77, ·84, ·93	Very bright and hot day, a few white cirro-strati & cirro-cumuli at noon, distant cumuli on N. horizon 4 pm. — Sun set clear, and rather red; clear night, and fine display of the ☞ Aurora Borealis at midnight shooting up in yellow columns, while waves of crimson continually undulated across them.	S 1, & 0, S 1, SE 1, E 0	50	64	74
Monday May 6.	30·07, ·13, ·17	Sun bright with brisk drying wind, and less heat. More cloudy after 2 pm. much cooler, and boisterous wind. Cloudy and windy evening. Clear night after 9 pm.	NE 2, NE 3, NE 3	45	59½	61
Tuesday May 7.	·20, ·17, ·13	Sun bright all day, very fine and drying, a few cirri NE-ward. Trains of cirri & cir-strati from SE to NW eveng. Clear night.	NE 2, ENE 2, NE 2	41	55	65
Wednesday May 8.	·03, ·02, 29·96	Very bright all day, and hot in the day, a few cirri, and a range of small cumuli NW with flat base, and bordered by cirrostrati. Rugged banks of cumuli in the S. all the eveng, and straight bands of cirstrati across the whole, & cirrostrati NW &c.	NE 1, ENE 2, NE 2	41	62	72
Thursday May 9.	·99, ·96, ·96	At 1 morn. the clouds of last night came up against the wind of lower current, with much lightning, Thunder distant, and rain till 8 a.m. — At this time three currents of clouds, viz from SW, & SE, & N. the last with the wind below. The day throughout chiefly cloudy, much cirro-strati & trains of small dense cumuli. Some bright sun but boisterous and cold. A great change. Cloudy night and windy, with rain at times.	N by W 2, N 2, NE 3, NE 4	44	48	56

The Phenomena of Atmosphere in MAY 1839.

Day	Barometer	The Phenomena of Atmosphere in May 1839.	Point and force of Wind	Thermometer: Early morng	At 9 morng	In the Day
Friday May 10.	30·00, ·06, ·15	Cloudy and windy morng, bright after 8 a.m. and strong gale from NE. Cloudy with little sun, and strong gales all day. — A great change after the hot weather just past!	NE 5, NE 6, NE 5	42	50	54
Saturday May 11.	·25, ·26, ·19	Cloudy with sun, fine day & more pleasant, but rather cool wind continues; cloudy night and rain at midnight: some sleet also durg night.	NE 3, NNE 2, N 1	41	50	59
Sunday May 12.	·11, ·13, ·12, ·13	Bright, with dark cumuli at times, more cloudy & rain after 1 pm: rain increased at 3 & continued till 6. Fair eveng, but partly cloudy.	N 1, NNW 1, N 1	37	51	60½
Monday May 13.	·02, 29·83, ·74	Fine bright with cumuli clouds, & pleasant, rather more cloudy after 2 pm. (New Moon 7 a.m.) Ranges of dark rocky clouds in the North 6 pm. Fine & pleasant eveng, but a windy and colder night. Great change after midnight: rain & snow. —	W 1, WSW 2, W 2, NW 3	38	54	65
Tuesday May 14.	·62, ·56, ·54	Overcast, rain & snow this morng till 6. frequent hail & rain all the forenoon, finer afternoon little sun, still clearer after 4 pm. Night clear in part, distant clouds in horizon. Cold night.	N 2, NNW 2, NNW 1	35	42	52
Wednesday May 15.	·49, ·47, ·51	Cloudy with sun, dense cumuli, & distant showers, some hail: very black in W. 2 pm, and vivid lightning & violent Thunder. Various winds during the whole day, and very cool and unsettled state of atmosphere.	WSW 2, SW 2, SE 2, SW 2	33	51	54
Thursday May 16.	·62, ·72, ·88	Bright sun, cumuli clouds floating, very fine but cool in the shade. White knotted cirro-cumuli in zenith 6pm. — sign of warmer air. Serene night.	SW 2, SW 2, SSW 2	34½	52	60
Friday May 17.	30·08, ·13, ·18	Bright sun the day throughout, with small cumuli clouds, and much warmer & pleasant. Clear evening and night; little wind. —	SE 0, SW 1 & 2, SSE 1	34	59	65
Saturday May 18.	·23, ·18, ·17, ·19	Very bright morning and bright all the day but small cumuli & some cirri appeared, warm with brisk wind and sudden whirling gusts, between S & SW, chiefly S. Very fine & drying. — Many dark cirrostrati about the West this eveng, and a warmer night than many past. Wind S and more gentle than in the day. —	S 1, S 3, SSW 3, S 2 & 1	36	60	67

The Phenomena of Atmosphere in MAY 1839.

Day	Barometer	The Phenomena of Atmosphere in May 1839	Point and force of the Wind	Thermometer: Morn'g early	At 9 morn'g	In the Day
Sunday May 19.	30·17 ·19 ·23	Whitsunday.— Hazy with much cirrostrati & little rain at times during this morn'g, but a very warm, growing & beautiful morning. Chiefly cloudy all day with slight rain at times, yet very close & warm & sun gleaming, on the whole pleasant & fine. Calm, sultry and clouded even'g. Th'r at 8pm 56°.	S 1. S 1. S 0.	51	60	63
Monday May 20.	·31 ·33 ·36	Very bright and hot morn'g, bright at times with cumuli in the day, and very hot and sultry, more cloudy after 2 pm; wind veering about, but still close and sultry evening and night. 8pm 57°.	SW 0. W 1. WNW 1. ENE 1.	46	70	78
Tuesday. May 21.	·28 ·22 ·15	Cloudy morn'g & very sultry, clearer after 9, bright and hot till noon, many cirrostrati followed and hazy & thick afternoon, wind veered about again, clearer evening and cooler than last three.— 8pm 53. All trees in leaf now.—	SE 0. SW 1. NW 1.	53	64	71
Wednesday May 22.	·03 ·06 ·18	Flying cumuli, large raggy clouds, little showers, sun between. Stormy atmosphere, frequent light rain in the day, sun at times. Dark and dense clouds. Great fall of temperature.— 8pm— only 43— or 14 less than the 20th even'g.—	NW 3. N 3. NW 2.	46	52	54
Thursday May 23.	·18 ·09 29·93	Cloudy with sun; fine and chiefly sun near noon, brisk gales and cumuli clouds. More cloudy after 3, and windy and cloudy evening.— Showery at 9pm, & wind galy from W.N.W. 8pm Th. 51.	NW 2. WNW 2. W 2. W 3 & 4.	42	51	63
Friday. May 24	·95 30·03 ·10	Cloudy with rain at times, little sun, but chiefly cloudy & rainy, unsettled and rather unpleasant. Cloudy even'g, some wet, and windy & cold for the season. 8pm 45°. Clearer night.— Haw-thorn in flower.	NW 3. NW 2. NNW 3.	45	51	55
Saturday. May 25.	·14 ·20 ·23	Morn'g bright and clouds flying: fair & sun at times till 3pm, then light shower; and again fair, but cool, with brisk wind, some hail at 3pm. Clear and calm even'g. 8pm 44.—	NNW 3. NNW 2 N 1.	41	52	57½
Sunday. May 26.	·29 ·29 ·31	Cloudy till noon, and calm & pleasant; clearer at noon, & bright afternoon, some cumuli clouds, & calm day. Beautiful, bright even'g, with silvery dappled & ribbed cirro-strati in the west. Th'r at 8pm 51. Clear night.	N 0. SE 0. SE 1.	39	51	64½
Monday May 27.	·31 ·30 ·28 ·32	Very clear morn'g & keen air before & at ☉ rise, but very bright & hot as day opened. Very bright day and the heat rapidly increased, very hot, and a perfect calm. Some fleecy cumuli & small portions of white cir'strati folding round the heads of cumuli. No cloud till 11, and but few & small after that time. Note.— All trees in leaf for a week past, and lilacks & laburnums now opening flower. Clear even'g ☉ set in full splendour.— calm & beautiful eve.— Th'r 8pm 53.—	SW 0. E 0. E ½. SE 1.	36	63	76

The Phenomena of Atmosphere in MAY 1839.

Day	Barometer	The Phenomena of Atmosphere in May 1839	Point and force of Wind	Thermometer: Morn'g early	At 9 morn'g	In the day
Tuesday, May 28.	30·34 ·35 ·32 ·35	— Full-moon 10¼ a.m. — Fog till 7, cloudy till after 9. sun bright in the day, no clouds P.M. Very fine & drying. Clear even'g, sun set bright. Night cloudy after 9pm.	E 1. E 2. E by N 2.	41	52	66
Wednesday May 29.	·32 ·28 ·27	Clear after ☉ rise, very bright and hot day, not one cloud, even'g the same. ☉ set in fullest glory, no cloud nor haze visible. Th'r 56. 8pm.—	NE 1. NE 1. NE 1.	44	64	73½
Thursday May 30.	·21 ·22 ·20	Bright sun, & very hot, some white dapples of cirro-cumuli clouds in ranges. & a few fleecy cumuli, but chiefly very bright, and very hot day.— Distant Thunder SSE after 6pm, and cumuli heads with dusky cir'strati there. Therm'r at 8pm 60. Same kind of clouds in the E. 8pm. Showers at 10 & 11 pm, and distant lightning & thunder.—	NE 1. NE 1. & 2. NE ½.	48	68	77
Friday. May 31.	·12 ·13 ·12 ·12	Bright and very hot, and the brightness & heat increased much through the day, uncommonly hot, especially for a NE wind.— Bright even'g. Sun set clear; but the night became cloudy after 9. & fresh breeze.—	NE 1. NE 1. & 2. NE 2.	52	68	79

Barometer.	Inches.	Prevailing wind NE.	Thermometer.	
Highest on 20th	30·36	depth of rain only ·83 of an inch.—	Highest on 31st	79 degrees
Lowest on 15th	29·47	&	Lowest 15th morn'g	33
Range	0·89	26 days fair.	Range	46
Mean State	29·915		Mean State	56

General report for May 1839.

This Month was remarkably variable, being partly cold, and partly very hot. It was however very dry throughout, & although some frosty nights occurred about the 14th, yet none were near so severe in these parts as those of the preceding May, and the having had on the other hand 16 hot days, & 12 of these very hot in this month, caused more grass than in any May for several past years. The trees and vegetation altogether during these days of warmth put on their verdure earlier than we have seen for four or five years, although previously late. Every field & meadow now is in beauty, and the Orchards have well blossomed, but are now off again, their blossoms chiefly fading, but not without a shew for crop. Catarrhal affections, coughs, & rheumatic affections much prevailing in the changeable weather.—

Haw-thorn in blossom on 24th.

The Phenomena of Atmosphere in JUNE 1839.

Day.	Barometer.	The Phenomena of Atmosphere in June 1839.	Point and force of Wind.	Thermometer. Morn early.	At 9 morn.	In the Day.
Saturday June 1st.	30·11 —·09 ·10	Some clouds & wind before & after ☉ rise; cleared at 7 a m, very bright all day, and brisk wind very parching weather. — Night clear in part and fresh breeze, few clouds. ———	NE 2. NE 2. NE 2.	49	62	69
Sunday. June 2nd.	—·06 —·02. 29·98	Chiefly bright sun, with many trains of the Cirrus cloud, both fibrous & plumous, & great signs of rain, brisk Easterly wind, and after 5pm dark clouds rising SW- opposite, edged with cirro-cumuli	NE 2 ENE 2 ENE 2	45	58	65
Monday June 3rd.	—·83 —·80 —·82	Cloudy with rain from before ☉ rise till 9 at times; cloudy & blue fog till 2pm, then clearer, and some sun, calm day. Pleasant & warm evening. Night cloudy & little wind at times. Some fogginess. ——	E 1. ESE 0. ESE 1.	46	51	62½
Tuesday June 4.	—·79 —·78 —·86	Foggy morning, cloudy, calm & warm till noon, clearer and hot with sun at times after 1pm, gentle wind. Long cirro-strati tinged with yellow & red at ☉ set in NW. —	ESE 0. NE 1. N 0.	49	56	69½
Wednesday. June 5.	—·90 —·97 30·00	Cloudy after ☉ rise & frequent clouds during forenoon but calm & sultry. Afternoon bright with some cumuli & very hot and still day. Some webbed cirrostrati W & NW at 8pm. Sun set in haze, but a fine serene evening.	NW 1. NW 0. SSE 1.	44	60	76
Thursday June 6.	—·05 —·06 —·06 ·07	Very bright sun, with but few clouds till after 12 and extreme hot. Clouds united at 1 pm with thunder. At ½ past 1- A severe thunder storm, excessive rain, large hail, brilliant lightning & awful Thr. claps. Again bright and very hot after storm. Hot & bright evening — lines of cir'strati & cir'cumi. Hot & close night. — 8pm 63.	SSE 1. SW 1. SW 1. S ½.	47	70	79
Friday. June 7.	—·01 29·98 —·94	Chiefly cloudy & thick with dark cumuli & cirrostrati, very sultry and close day, although clouded. Brisk gales & little rain between 2 & 4. — Little sun at 5; rain at 6: then fine but cloudy, and sultry night: — 8pm 61. ——	S E 2. SSE 2. & 3. SSE 1.	55	65	70
Saturday June 8.	30·02 —29·99 —·99	Cloudy & sultry morng, much cirrostrati of every kind. — Fair and hot day, sun at times: cumuli, with cir'cumuli & cir'strati above & some cirri. Hot and close evening; cloudy, little wet 9pm. clearer night. 8pm 61. —	S 1. SSE 2. SSE 0.	55	62	72
Sunday June 9.	30·12 —·17 —·25	Bright with cumuli flying; fine & very hot day, fresh breeze: dense cloud passed at ½ p 4. & at 6 with some large rain-drops, & a sudden gale with the last cloud. Afterwards a bright & serene eve.	SW 2. SW 2. WSW 1.	54	67	75

Note — All nature now in highest beauty, and every vegetable rapidly advances. — Songsters of the grove very tuneful. — Laburnum, liatock & other shrubs in splendid garb for some time past! Charming summer weather for many days.

Day.	Barometer.	The Phenomena of Atmosphere in June 1839.	Point and force of Wind.	Thermometer. Morn early.	At 9 morn.	In the Day.
Monday June 10.	30·38 —·36 —·34	Bright morng, many Cirri, but very hot: chiefly bright in the day, cirrocumuli & cumuli and very hot & sultry, yet a brisk wind. white cir'strati near the sun, 7pm - tinged with red & green. Much circumuli & lower clouds, hot night drops of rain 10pm. Thr 63 at 8. Very bright stars at 12 night.	WSW 1. SW 2. SW 2. & 3.	51	68	77
Tuesday June 11.	—·30 —·35 —·37	Flying clouds, and sun between: very hot and sultry. — Chiefly bright after 12, with cumuli clouds, and very hot day. New Moon 3pm — Hot & close eveng, Thr 64 at 8pm. Some clouds, & calm.	SW 2. W 2. WSW 1. SW 0.	57	68	78½
Wednesday June 12.	—·33 —·26 —·20	— Dog rose now opened flower. — Bright and extreme hot; cirri & cir'cumuli clouds & small ranged cumuli in the W, crossed by cir'strati. Chiefly sun & excessive heat all day, many small detachments of white knotted cirro-cumuli, and fleecy cumuli below. Thermr in the ☉ at noon 116° on the ground. calm & hot eveng, few clouds. Thermr 69 at 8pm! —	SW 1. SW 1. S 1. SSE 0.	56	70	82½
Thursday June 13.	—·09 —·12 —·09 —·09	Very bright & extreme hot morng till 10. the white cirro-cumuli numerous. — A breeze arose after 9 a m & was brisk all day, with clouds increasing. All clouded after 2, & much cooler: drops of rain at 5. Continual Thunder very distant E & SE- during eveng. the lower clouds dispersed at 9. - Much vivid lightning S.ward during night: Upper current from the SW- clouds also. —	E 1. E by N 3. ENE 3. ENE 2.	58½	75	77
Friday, June 14.	—·02 —·02 ·03	Clouded over: and so continued all day, little rain after 1pm. Cloudy eveng and night, but fine and less wind, a gloomy day and great change, yet a temperate atmosphere. —	ENE 3 E 2. E 1.	55	57	60
Saturday June 15.	—·07 —·20 ·23	Cloudy till after 10, then bright, some cirri & cirro-cumuli clouds. Very bright the rest of the day, and hot, with fresh & cooling breeze. — Sun set very bright. Night chiefly clear. —	NE 2 NE 2. NE 2.	53	57	71
Sunday. June 16.	—·38 —·40 ·40	Very bright and hot, some cirri clouds, but none to hide the ☉. Evening and night clear till 10, red cirri SW at 8. Clouds from E at 10. —	NE 1. NE 1. ENE 1.	50	64	75½
Monday June 17.	—·37 —·32 —·28	Very bright all day, and very hot. a train of white cirro-cumuli SW- near ☉ at 1pm. —— Hazy & cir-strati S. & SE from 4pm & this increased with much lightning & Thunder there after 9 pm. — Awful thunder-storm from ¼ past 10- till	E NE 2 E 2. E 1. E by S 0.	50½	67	76½
Midnight 3. morng Tuesday June 18. This day continued over leaf.	—·25 —·12	Morng - for 5 hours! Heavy rain, dreadful lightning & thunder from all points: the whole sky in one complete blaze. Wind increased to a gale at 1 a m, & so continued till 3. - Unusually severe lightning continued to this hour, the Thunder extreme violent at 1 & 2, but now abating. - Clouds pass to NNE across the wind. — The South cleared at 3- and by 40 min past- the tempest ceased. —— The severest storm for many years past!	E by S 0. ESE 3. ESE 4.	60	Thermomr at 60 all the night past.	

The Phenomena of Atmosphere in JUNE 1839.

Day.	Barometer.	The Phenomena of Atmosphere in JUNE 1839.	Point and force of Wind.	Thermometer Morng early.	At 9 a.m.	Highest State.
Tuesday June 18.	30·17 ·11 ·06 ·08	* Awful thunder-storm this morning, noted in last page. After ☉ rise bright & excessively hot! Chiefly bright till after 1 pm, and oppressive heat. Haziness came on before 2, and much cirro-cumuli. Dark cir'strati followed & hid the sun at times, after 2 pm. — Thr at 1½ pm very near 84° in the shade! Distant thunder Nward. Hot & close eveng, with sun, but banks of cumuli SW, and much continued Thunder there, & during night also. — 8 pm Thr 66°!	ESE 0 E 1 E 2 E 0	60	75	83½
Wednesday June 19.	·06 ·13 ·21	Thunder shower to the SSE after 5 a.m, little wet here. Thunder in NE till 8 a.m having thundered for above 40 hours. Shower at 10 a.m, & at 4 pm, all the rest of the day fine, chiefly sun, and very hot, and the eveng serene, clear & hot. Thr 65° at 8 pm. —	SW 2 SW 1 SW 0	59	72	76
Thursday June 20.	·27 ·21 ·12	Very bright and excessive heat, more hazy after 12, some cumuli, and cirri, but still extremely hot. Black cir'strati & dark cirro-cumuli in detached knots & lines all this eveng from SW, and very black in SW. — S. — & SE. (Thr at 12 — in the sun 122)	SSE 0 SE 2 ESE 1	55	75	82
Friday June 21.	29·89 ·88 ·90 ·93 ·90	Longest Day & Summer Solstice. Thunder storm, a few miles to SE & E, at 3 morng; very black clouds & vivid lightning till ☉ rise, & continual Thunder: Heavy short shower here soon after 3. Hazy with 3 Parhelia at 5 & after! One on each side of ☉, and a paler above it. Sultry morning. Day bright with cumuli clouds, & very hot day. cloudy night, Thr at 8 pm 65. —	SE 1 SE 1 SW 2 SW 3 & 2.	60	70	79½
Saturday June 22.	·82 ·63 ·59 ·57	Morning bright and hot, with flying clouds, clouds increased at 11 & rainy from that time till 1 pm, some sun then, & the rest of the afternoon clouded, with a gale & rain at times. Fine eveng, and chiefly sun-shine after 5. —	SSW 2 S 3 SSE 4 SSW 2	56	66	67
Sunday June 23.	·48 ·58 ·74	Very stormy atmosphere, boisterous wind, and black clouds, large cumuli, nimbi, &c. bright at times & hot, a heavy shower at 10 a.m, — & after 3 pm. Less wind and fine evening with fewer clouds. —	SW 4 SW 5 SW 3	56	63	71
Monday June 24.	·84 ·93 ·96	Clouds flying & windy morng, fine day, sun at times, cumuli passing, and very warm; warmer towards eveng, dark clouds, and a distant shower to South 8 pm & after. — close and warm night. Thr 61 — 8 pm. —	SW 4 WSW 3 WSW 2	55	62	72
Tuesday June 25.	30·03 ·01 29·99	Cumuli & cir-strati with Sun, chiefly bright & very hot day, wind gentle, and sultry air. — Black clouds, with rugged summits 5 pm & after, & dark cirrostrati: eveng close, Thr 64 at 8 pm. — ☞ Truly summer like for some weeks past and the warmest June for some years. — Wheat full in ear, near a week since, and all the fields in verdant splendour waving in the breeze. —	WSW 2. SW 1 SSE 1 & 0.	55	64	78

Day.	Barometer.	The Phenomena of Atmosphere in JUNE 1839.	Point and force of Wind.	Thermometer Morng early.	At 9 morng	Highest State.
Wednesday June 26.	29·78 ·61 ·65	Clouded with webbed cirrostrati in dark festoons, more or less cloudy through the day, some sun and sultry heat. Thunder and black rugged clouds westwd 6 & 7 pm. Heavy shower at 8 pm cloudy night. Thr 8 pm 62 & at 10 — 61°. wind at this hour W.N.W brisk. — Full moon — 12 night. —	SE 2 ESE 3 SE 1 W 1.	58	64	71
Thursday June 27.	·91 ·96 ·93 ·92	Cloudy morng, clearer after 9 a.m; day chiefly sun, with cumuli clouds, fine and hot: very pleasant day. Sun set in thick haziness, and in the SE. a bank of dark cumuli at 9 pm.	W 2 SW 2. SW 2.	55	64	73½
Friday June 28.	·78 ·77 ·81	Heavy rain 4 to 5 a.m, very showery with sun between; clouds very black, and an exceedingly heavy shower of hail & rain 1 pm, with much thunder westward. Night cloudy. —	SW 1 E 1. WSW 0	54½	60	67
Saturday, June 29.	·90 30·08 ·14	Heavy rain all the morng, continual rain, & very gloomy till noon, more fair, sun at times, afternoon. Frequent clouds and rain at times eveng & night. Rather cool.	NNW 3 NW 3. NNW 2.	53	54	63
Sunday, June 30.	·17 ·23 ·28	Very cloudy, and gloomy, very little sun, some light showers. Fine evening & night, but very cloudy & cool. Thr at 8 pm 51. and Do night 47.	NW 2 NNW 2. NNW 2.	47	53	60½

Barometer.		Thermometer.	
Highest on 16th	30·40	Highest on 12 & 18. —	83·5
Lowest on 23rd	29·48	Lowest — 4th night —	44
Range —	·92	Range —	39·5
Mean state	29·94	Mean of extremes	63·75

On 20th on ground in the Sun at noon 122 degrees.

Depth of Rain 2·84 inches, Fine days 20, prevailing wind SW.

This month was very seasonable throughout with some very hot days, and genial showers between. The warmest June for several years past. No considerable sickness but much languor & lassitude during the hot weather, and before the Thunder-storms in Nervous Subjects. —

The general appearance of the corn-fields is good, and some meadows, but in many instances the hay-crop will be short. — Orchards promise fairly, but garden-fruits, gooseberries, currants &c. are only a partial crop. —

The Phenomena of Atmosphere in JULY 1839.

Day	Barometer	The Phenomena of Atmosphere in July 1839.	Point and force of Wind	Thermometer: Morn early	At 9 morn	Highest state
Monday July 1st.	30·33 ·37 ·39	Cloudy till near noon, then clearer; bright with fleecy cumuli, afternoon; gentle wind; fine and temperate day. Eveng nearly clear & serene. Night cloudy & wind near N & NE.—	NNW, 1. NNW, 1. NW, 1.	48	55	65
Tuesday. July 2nd.	·37 ·38 ·36	Partly clear at ☉rise; cloudy & little wet at 8 & 9 a.m., cloudy day, little sun, & warm, with nearly calm atmosphere. Very cloudy after 3; long webs of dark cir'strati from NE. 8 pm, & much elsewhere, some black, & little wind. —	WNW, 1. NE 1. NE 2.	50	58	70½
Wednesday July 3rd.	·36 ·35 ·34	Grey cloudiness all the morng, chiefly cloudy, hot gleams of sun at times, soft & calm day: red cirri NE. 8 pm, webbed cir'strati again, and ranges of detached portions of cir-cumuli NW 8½ p.m. — Cuckoo sang at 8 pm, rather late!	NW, 1. N 0. N 0.	52	60	73
Thursday July 4.	·31 ·30 ·32	Very clear, ☉ rose red & unclouded. Bright, and hot through the day, some fleecy cumuli, and cirro-cumuli. more cloudy evening & night; some appearance of similar clouds to those of the last two nights. Fine hay weather. —	NE 0. NE 1. E 0.	47	66	78
Friday. July 5.	·30 ·24 ·20	Cloudy, sultry & close, with little sun, yet very hot, clearer after 3 pm. Sun set very red; hazy and some clouds evening and night, and very warm air.	SE 1. S 1. SSE 1.	50	68	76
Saturday. July 6.	·08 ·04 ·00	Bright sun, with much cirri of both kinds. extremely hot, and the wind blows hot to the feelings. Thermr continued 80 or more till near 4 pm, & 75 at 6. Some clouds after 7 pm, and during night. Thr 69 at 8, & 67 at 9.	SW 1. WSW 2. SW 1.	56	73	81½
Sunday. July 7. Heavy drops of rain 7 pm from a black webbed cirrostratus many webs also appeared.	29·97 ·90 ·83 ·70	Sun rose clear; blue misty clouds from 7 till 11, and but little sun; but after 11, very bright, and extreme hot, and the wind hot also. Some cirri & cirro-cumuli. The greatest heat at 3 & after, then 81. and at 4, above 79. — Very black in the West after 6, and much Thunder. Thermr 70 at 7 pm. Continual thunder & lightning W & NW, and became general from all points from before 10 through the night. Some rain. Awful night! —	SW 2 SSW, 1 S ½. SE 2. & 3.	58	69	81
Monday July 8.	·76 ·81 ·79 ·81	Heavy thunder-storm till 2 am, incessant lightning & snapping thunder, most severe between 1 & 2. Subsided after 2; sultry morning & cloudy more or less. Day fine & hot, clouds flying, some sun, distant showers. Dark cumuli & cirrostrati, eveng.	SE 3. & 4. SW 2. S 3. S 2.	61	68	74
Tuesday July 9.	·85 ·87 ·91	Bright and hot, with many flying cumuli, & distant showers, yet fine here till after 6, a little shower then, fine after and eveng & night the same. — True summer weather, and corn-fields look well. Hay harvest proceeds. —	S 2. S 3. SW 1.	55	67	72

The Phenomena of Atmosphere in JULY 1839.

Day	Barometer	The Phenomena of Atmosphere in July 1839.	Point and force of Wind	Thermometer: Morng early	At 9 morng	Highest state
Wednesday July 10.	30·11 ·12 ·12	Bright sun with fleecy cumuli flying, boisterous wind, but still hot. More cloudy after 3, and sultry heat, clouds dark. Indented cir'strati prevailed after 6 pm. New moon 11 pm.	SSW 3. & 4. SW 3. SSW 2.	51	66	74
Thursday July 11.	·12 ·08 ·05	Bright and very hot, with brisk wind, hazy cirri clouds at times, and near ☉set ranges of ribbed and round cirro-cumuli. Very close and hot night, chiefly cloudy. —	S 2. S 3. SSE 1.	58	69	80
Friday. July 12.	29·92 30·00 ·01	Much cirrostrati of every variety covered the sky till 11. little sun & sultry heat, rain at 11, then fair, bright and very hot 1 PM, cirro-cumuli above & fleecy cumuli below. — Clouded with black clouds after 7, and rain from 8 till 10 pm. — Thr 65. Hot & close night. —	SSW 2. SW 2. SW 1.	62	68	78
Saturday. July 13.	·13 ·23 ·24	Clouds dispersed after 2 morng; bright sun, & serene morng; chiefly sun all day, but cumuli prevailed at times; extreme hot, & nearly calm till 4. Sun scorching. Wind veered & became fresh after 4. some dark cirrostrati, & cirri above them. Cooler eveng. —	NW, 1. W 0 & ½. SE 2.	57	70	81
Sunday, July 14.	·17 ·05 ·00	Morng in part bright & very hot; cirro-cumuli above, and much hazy cirro-strati through the day with little showers. Very hot & sultry sun at times. Cloudy evening, dark cir'strati, and very hot-blowing breeze. Thermr 67 at 8 pm.	SSE 2. SSE 2. S 2.	55	69	75½
Monday July 15.	·05 ·10 ·21	Bright and hot, with cumuli clouds, some large & dense, yet chiefly sun, and a very fine summer's day, as many past. — Sun set in golden splendor, beautiful eveng, but rather cooler. —	W 2. W 2. WSW, 1. W 1.	59½	68	75
Tuesday July 16.	·29 ·29 ·31	Bright and very hot, some cirri, cir'cumi & cumuli clouds: chiefly sun & very hot, but more clouds after 2, cir'strato across cumuli, and a nimbus S. at 3. — Sun set as last eve. —	W 1. SW 1. S 1. SE 1.	51	68	78
Wednesday. July 17.	·24 ·13 ·04	Bright and very hot, and beautiful sky, dappled with cirrocumuli in formal ranges SE to NW. Much knotted cirro-cumuli all day & haze at times. Began to lighten 9 pm in S & SE & continued. — Thermr 64 at 10 pm. Clouds very black & thick. —	SE 2. ESE 3. E 2. E 1.	52	68	75
Thursday July 18.	29·69 29·68 ·68 ·85	Severe Thunder-storm 1 & 2 morng. vivid lightning, some rain & loud thunder; very black cirro-strati clouds. The tempest chiefly S & SE. at 12, before we had any storm. Black broken cir'strati after ☉rise, & clouded with some rain & very sultry morng, clearer at noon, flying cumuli with sun in the afternoon, long white cirro-strati above. Windy and hot. Sun set clear and wind less.	E 2. SE 1. SE 2. SSW 3. & 4.	62	65	75
Note —		Charming summer weather for these 7 weeks. The hay-harvest done, a fair crop; and corn looks well.				

The Phenomena of Atmosphere in JULY 1839.

Day.	Barometer.	The Phenomena of Atmosphere in JULY 1839.	Point and force of the Wind.	Thermometer. Morn g early.	At 9 morn g	Highest State.
Friday July 19.	29.82 -82 -83	Windy & yet very warm. cumuli flying & beautiful white cirro-cumuli & cirro-strati above, nimbi to W & N. from 4 to 6 pm. boisterous wind, & sun at times. Cloudy & warm night, with a gale from S at 11.	S 4. SSW 4 S 3. & 5.	57	67	72
Saturday July 20.	-87 -91 -92	Warm and cloudy, little sun, & a breeze. Dark cumuli, with cirro-strati & cirro-cumuli above, little wet 4 pm. but chiefly fair, and warm, yet windy. — Bright with less wd after 6 pm. Pleasant even g.	S 3. SSW 3. SSW 3	57½	66	72½
Sunday July 21.	30.01 -03 -09	Bright sun, & flying cumuli, & cir'cumuli above: little shower at noon, but not to fix the dust. clouds & sun, same variety as the last 2 days. very warm. Fine agreeable weather.	SW 2. SW 2. SW 2.	56	67	72
Monday July 22.	-18 -18 -20	Clouds & sun. cumuli chiefly. fine and hot day. some cir'strati & cirro-cumuli. and at 5 pm a Cumulostratus to N E. Many clouds even g.	SW 2. SW 1. SW 1.	55	67	75
Tuesday July 23.	-18 -13 -09	Very cloudy morn g, and great cloudiness all day, cirrostrati & dark cumuli, yet fine, & hot day. — Clouds inosculated at 6 pm, and produced a rainy even g, & night, & sultry air.	S 1. SW 1. SW 1.	56½	65	73
Wednesday July 24. (A cumulostratus Eastward 4 pm) The night chiefly clear and serene.	29.94 -89 -87	Overcast and rainy morn g till 9. more fair but clouded, & little sun, chiefly bright and very hot PM. with large cumuli, & cirri extending about. The sky beautified with every variety of cloud from 3 pm till ☉ set. Banks of rugged cumuli on SW & N horizon at 7 & 8 pm, red with setting sun, & intersected by strips of cirrostrati in a most beautiful manner, as here represented. —	SSW 1. SW 2. SW 1.	60	65	76

Appearance at 7 pm in the North. — The ☉ then gleaming between long cirrostrati N.W.

Day.	Barometer.	Phenomena	Wind	Morn g early	At 9 morn g	Highest State
Thursday July 25.	-90 -91 -90 -93	Cloudy till noon, sun gradually coming out, and sultry, chiefly sun after 1, and hot afternoon; cumuli clouds, & cirrocumuli higher. Wind little. Very beautiful summer-day. A nimbus formed at 7 miles to N E at 5 pm, in which lightning was visible here, and thunder audible. Many dense clouds all the even g, masses of cumuli, and cirrostrati with indented upper edges, very black & thunder-looking sky, contrasted with here & there a bright head of cumulus to SW & SE. Calm & sultry even g.	SW 1. SW ½ SW 0.	57	64	75

Note. — This week was still uniformly hot and true summer-weather, but not so extreme as the two preceding weeks had been. —

The Phenomena of Atmosphere in JULY 1839.

Day.	Barometer.	The Phenomena of Atmosphere in JULY 1839.	Point and force of the Wind.	Thermometer. Morn g early.	At 9 morn g	Highest State.
Friday, July 26.	29.91 -85 -65	Full moon 11½ a.m. Clouded over with blue haze till 10 a.m. clearer & sun between 10 & 1 o'clock, very close & sultry, and again cloudy & few drops after 2. Rainy even g and night; and overcast, with change of wd. —	SW 1. S 1. SE 1.	56	63	71½
Saturday, July 27.	-70 -74 -80	Bright with fleecy cumuli flying; fine & hot forenoon, stormy PM, nimbi and thunder to S & SE, afterwd N. — cir'strati across cumuli, & some cirrocumuli. A driving shower at 5½ pm. Unsettled even g some rain at times.	SW 2 SW 3. W 2.	57	64	72
Sunday, July 28.	-90 30.00 -05	Overcast, rain at times till near noon; Fine afternoon, chiefly sun after 2, cumuli, cirro-cumuli & cir'strati clouds, distant nimbus to S. at 3 & 4 pm; very warm; wind variable & calm. Nimbi with very distant Thunder SW & NW. 6½ pm. Fine & serene evening with us, but black portions of cloud near zenith from Nimbi NW. —	NE ½. NW 0. E ½ SW ½ & 1.	56	56	70
Monday, July 29.	-13 -12 -07 -03 29.75	Morn g bright & hot, till 10, with cirro-cumuli; hazy after 10. this increased with dark cumuli and no sun. Rain began at 6 pm & continued all the even g, with brisk S. & SSE wind. Sudden fall of Barometer during night.	SW 1. SW 1. SSE 2.	51	67	69
Tuesday, July 30.	-81 -90 -82	Cloudy morn g yet very soft & warm, some sun; chiefly cloudy with dark cumuli & cirro-strati, sun at times, close & sultry, calm day. Overcast and stormy night; some rain at times, and a boisterous E & SE gale during night.	NW 1. NW 0. E 2.	55	64	72½
Wednesday July 31.	-46 -50 -53	Cloudy, light rain at times during the forenoon, Fine at noon, gleams of sun, dark raggy clouds with a little wet at intervals the rest of the day. Cumuli & the cirrostrati above appeared when the sun gleamed. Fine even g. Little showers in the night, and wind West since 6 pm. —	SE 4. S 2. SSW 3. W 1.	57	64	65

Depth of rain in July 1839 was 1.83 Inch.

The number of days fair —— 22. —

Prevailing winds SW. S & SE.

Evaporation between showers on 29th ·15, & on 30th ·10 of an Inch.

Barometer Highest on the 1st.		30.39
.... Lowest on	31st.	29.46
.... Range		.93
.... Mean state		29.925
Thermometer — Highest on 6th		81.5
.... Lowest on 3rd night		47
.... Range		34.5
.... Mean of July		64.25
.... Mean Max of day		74.12

Conclusive Report for the Month of July 1839.

This was a fine, seasonable, and good month, with some very hot days, and a temperature uniformly high all the month. The violent Thunder storms which visited many parts of England & France, like those of June were worthy of remark! Seldom have we known so much thunder and lightning as during June & July 1839, and being chiefly by night increased their awfulness. A fine hay-time and fair crop, not abundant. — Orchards partially abound with apples, but pears few. Cherries were also few. The corn-fields are assuming a yellow tinge. Harvest will soon commence. — Hay secured about July 6th & 10th. Currants & strawberries, also raspberries ripe early this month. — My walks this month in the fields from 3rd to 25th, were delightful!

Phenomena of Atmosphere in August 1839.

Days.	Barometer.	Phenomena of Atmosphere in August 1839.	Point and force of Wind.	Thermometer. Lowest morng early.	At 9 morn.	Highest state.
Thursday August 1st.	29.96 30.12 -.19	Cloudy morng, clearer as day advanced, bright and hot afternoon, cumuli & flimsy cirrocumuli clouds. Very bright & serene evening, hot & calm. — Sun-set clear, the twilight pale, yet very bright. Evaporation ·10.	WNW 1 WNW ½ S ½	55	63	73
Friday. August 2.	-.23 -.20 -.19	Very bright and hot. Clear blue sky all day and no clouds, very hot day, with fresh breeze at times. Away from the buildings in the thick shade of trees in the garden a thermomr stood 76 for some hours, P.M. — A charming time for maturing the corn. Clear ☉ set, golden twilight. Evaporation ·40!	S 1 SSE 2 SSE 2	53	70	78
Saturday. August 3. 1839. ☞ → A large meteor to S E, at ¼ past 10 pm.	-.16 -.19 -.25	Beautiful ☉ rise, his orb red, sky the same, in N E. — Very bright and calm, & extremely hot, no cloud till 11 am. — The day through most excessively hot & calm, sun bright, a few small cumuli only seen. A breeze for 1 minute at 4 pm. A thermomr in sun at 11 a m, on a flat 4 ft from the earth stood 144°! And water 3 ft from the earth was at 104° at 11 a m, in sun! Maximum in shade 89°, and at other times as in extra column annexed. The unusually great heat of this day surpasses anything I have registered for 13 years past. The sun remarkably scorching & overpowering, & the shade oppressive. Evaporation ·33. Eveng close & very hot. ☉ set in blue clouds, his orb was red, and the twilight paler than last. Beautiful, soft, & still night. — A few dusky clouds in N & SW. 11 pm. — Thermr at 11 – 82; at 12 – 85; 1 pm 88; 1½ pm 89; 2 pm 88; 3 pm 86; 4 pm 81; 5 pm 77; 8 pm 67; 11 pm 64	S by E 0 W ½ Various. 0 NNW 1 & 0. E ½ NW ½	56	76	89 !!

The Phenomena of Atmosphere in AUGUST 1839.

Days.	Barometer.	The Phenomena of Atmosphere in AUGUST 1839.	Point and force of Wind.	Thermometer. Lowest morng early.	At 9 morng.	Highest State.
Sunday August 4.	30.30 -.33 -.36	A change since last eveng, yet a close morning, the whole sky streaked and obscured by converging lines of mixed clouds, extending from S to N, their course from SW, as their movement denoted, the lower wind NW. The whole chiefly cirro-cumuli & cirrostrati interwoven with haze. Little sun near 10 a m, thick haze & cumuli till after 2, then brighter and hot, with handsome white trains of the barred & ribbed cirro-cumuli & cirrostrati from S to N across West part of the blue canopy, as here shewn, as at 3 & 4 pm. — Evaporation ·15. — ☉ set red, among dark cirrstrati which were tinged with purple & gold. Cirri in zenith reddened also, and at 9 pm, rugged cumuli ranged in W horizon.	N W ½ NNW 1 NNW 2	61	65	72
Monday. August 5.	30.38 -.34 -.35	☉ rose red, emerging from a stratus; flying scud from broken strata at 6 & 7, bright with cumuli after 8. — Bright and very hot day, small cumuli clouds. More clouds eveng, some dense, and cirrocumuli above. Very black in NW at 6½ pm. Calm & cloudy eveng. — Evaporation ·28	N W 1 N W 1 N W 0	51	67	77
Tuesday. August 6.	-.29 -.22 -.17	Much cirri & ribbed cirrocumuli again at 7 & 8 a m, bright sun, and very hot day, some cumuli & dapples of cirro-cumuli & white cirrostrati, more so at 5 pm. Evaporation ·21. — Hazy, close, and sultry evening.	W 0 S W 1 S W 1	51	68½	79
Wednesday, August 7.	29.94 -.82 -.81 -.83	Overcast and rain at times till 2 pm, then clearer with sun, clouds flying below, and white cirrostrati & cirrocumuli above in beautiful elliptical trains from SSW to opposite. Dense nimbi at 5 & 6 pm, a shower, and to the N E, thunder. Sun set red & partly clear, groups of cumuli S & E, tinged red. — Lightning Eastward at 9 & 10 pm, near horizon. —	S W 2 S W 3 W 2 S W 1	58	60	69
Thursday August 8.	30.01 -.09 -.14	Fine, sun at times, cumuli and cirrostrati thickly mixed, and some dense and dark clouds, yet a warm day. Brighter eveng and fine clear ☉ set, twilight strong, orange tint, and a few strips of cirro-strati tinged with rose. — Evapn ·20 to day. —	N W 2 WNW 3 WNW 2	54	62	71
Friday. August 9.	-.24 -.20 -.22 -.20	Bright sun, with cirro-cumuli & cirrostrati, some cumuli, but a fine harvest day, chiefly sun, and very hot. More sultry after 5 pm, and clouds changed all to long blue & grey cirrostrati. Cloudy and windy night. — Evapn ·30. — New Moon 9h 19m p.m.	W 1 S W 2 S W 1	52	68	75½
Saturday. August 10.	-.20 -.17 -.12	Bright morng, but much cirri in long streaks, some wind. — Fine day, chiefly sun & warm; cirrocumuli, cirrostrati, and cumuli; very windy, although hot. — Clear night & much wind, several meteors after 9 passed from N to S, across zenith, as large to the eye as walnuts, leaving long white trains where they had passed. — Corn harvest proceeds well. Evapn to day ·25.	WSW 2 WSW 3 WSW 4	55	65	73

Day	Barometer	The Phenomena of Atmosphere in August 1839.	Point and force of Wind	Thermometer: Lowest during night	At 9 morn	Highest State
Sunday, August 11.	30·05 ·09 ·25 ·26	Very boisterous, with long dusky cirrostrati, some white, and cumuli flying: cirrocumi above them all. Stormy showers & sun between: very black nimbi in the afternoon, & heavy showers. Fair even^g, less wind. cirrocumuli prevail. Clear night: 16 meteors passed across zenith from NE. in about 15 min^s, near 10 pm: two as large to the eye as a walnut, leaving white trains.	WSW 4. W 3. NW 2. Evap^n ·05.	54	63	68½
Monday, August 12.	·35 ·37 ·37	Cloudy with sun, fine & pleasant day, cumuli & dusky broken clouds not defined. Nimbi & thunder distant in S. at 4pm, and very cloudy even^g and night. Calm, and close atmosphere. – Evaporation ·10. –	NW 1. N 1. NNE 0	52	64	70
Tuesday, August 13.	·28 ·25 ·21	Adverse currents of cumuli & cirrostrati, black nimbus & thunder SE. 10 a m, hot sun between clouds, clouds passing from SW. w^d SE. below: some flimsy cirro-cumuli. Warmest near 10 a m, cooler pm. Cool & clear even^g. Evap^n ·12.	SE 0. SE 1. SE 0.	52	64	67
Wednesday, August 14.	·14 ·05 29·94	Serene morning, much cir'cumuli & cir'strati, the same in the day with some cumuli, sunny and hot, but after 2 more hazy. – Evening & night thick haze & cirrostrati, very close and warm. — Evap^n to day ·21. —	S ½ SSW 2. SE 2. SE 1.	51	63	73
Thursday, August 15.	·85 ·80 ·74	Hazy & sultry morn^g; the same most of the day, little rain 1pm. then more sunny till 2, with cirrocumuli & cirrostrati. Hazy & rather black to SW. after 2. clouds glide from S; wind E below. A shower after 6pm, dark clouds & close night. Cumuli in piles with bright tops intersected by the cirrostrati to SE. 7pm. Much lightning E to S. – 10pm. – Evap ·06	ESE 1. E 1. E 1. ENE 0	56	67	71
Friday, August 16.	·77 ·73 ·78	Fine morn^g, cumuli & cir'strati across their heads, showery after 10, large nimbi with cirri & cirrostrati about their summits, much distant thunder SE, S, & SW the whole afternoon: sometimes bright sun. Showery again at 4 & 5pm, cloudy night. –	SW 1. S ½. S ½. S 0.	56	64	71
Saturday, August 17.	·73 ·81 ·93	Overcast rain from 6 to 9 am, cloudy with sun after 10, sultry day, much cumuli of every tint and cirrostrati. Even^g cloudy. – Evap^n ·03. rain ·19. The clouds have been a grand scene in all my recent walks. – Mushrooms abundant and very fine.	S ½. SW 1. NW 1. NE 1.	58	58	70
Sunday, August 18.	30·09 ·13 ·16 ·12	Blue sky with beautiful compact knotted cirrocumuli of silvery white 6 to 8 a m. – Fine day & very pleasant, some sun, but many cumuli, sometimes covering the whole sky. Hot and close. More sun after 4. Much cirri of both kinds. Black cirrostrati & cumuli even^g. – Evap^n ·14. –	NW ½. NW 0. NE 1. ESE 1. E 1.	54	64	72
Monday, August 19.	29·99 30·03 ·11	Heavy rain all this morn^g till 9 a m, afterwards fair with many cumuli & sun at times, the flimsy cirrocumuli, & cirrostrati appearing above. Evening and night cloudy, few drops at 8pm. – Rain to day ·67, and Evap^n ·11. –	NE ½ N 2. & 3. NNW 2.	55	60	67

Day	Barometer	The Phenomena of Atmosphere in August 1839.	Point and force of Wind	Thermometer: Lowest during night	At 9 morn	Highest State
Tuesday, August 20.	30·11 ·16 ·22	Sun rose partly clear, rocky cumuli on horizon E & NE, cloudy little wet during morn^g. – At 8 a m I observed a group of cumuli to NE, and long cirrostratus across the whole. Very showery day, sun between the showers. ☉ set clearer, orange twilight, and a very clear & cool night. – Rain ·10 – Evap^n ·09. –	NW 1. N ½ & 1. N 1.	52	55	65
Wednesday, August 21.	·25 ·26 ·27	Clear sky, bright and cool morn^g; fine day, & sun bright at times, cumuli clouds, and some white cir'strati above. Cirro cumuli widely extended at 5 pm. Fine golden ☉ set, and very clear, calm & cool night, after a bright amber twilight. –	NW 1. NW 1. NW 0.	43	60	66
Thursday, August 22.	·29 ·30 ·29 ·31	☉ rose clear; two long cir'strati parallel to horizon & to each other in NE. altitude 10°. bright morning, many cirro-cumuli dappled the blue, & lines of cirri also. Small cumuli succeeded, yet a very bright calm and hot day. Haze came on after 5. and the sky seemed dimmed by steam, in which sun set red with purple & rose tinges round the W. Sheets of dusky cirro-cumuli passing to E. Still night.	NW 0. SW ½ SW 0.	40	61	73
Friday, August 23.	·34 ·35 ·33 ·31	Bright, calm, and very hot; after 1 pm, a little cloudiness, and sultry heat the rest of the day. Very calm & close. – Sun set in a screen of cirri & cirrostrati, which were afterwards kindled red. Much cirro-cumuli during the even^g, & some black cumuli at 8 & 9 pm. – Sultry night, some haze, but moon bright. –	W 0. SW 0. SW 0. SW 0.	49	68	78
Saturday, August 24.	·23 ·17 ·11 ·08	Much cirrostrati and cirrocumuli, hot & close day chiefly bright from 10 till after 1 pm, knotted cirrocumuli in round dapples on the blue, & some cumuli heads erected on bases of cir'strati. Thick blue haze after 2, but still very hot. Dark cirrostrati 6 to 9 pm, passing horizontally to NE, parallel to each other as the waves of a pool: a few drops of warm rain. Sultry night. Full Moon 9½pm. Th^r 63.	SW 1. SSW 2 SSW 2	56	67	77
Sunday, August 25.	·08 ·11 ·09 ·06 ·08	At ☉ rise, the N was clear blue, except a train of white undulating cir'strati, the rest of the sky covered by cirrocumuli, cleared at ½ p^t 7. – soft & balmy morn^g: Bright and very hot day, some cumuli, these clouds increased after 4 pm. and many cirri above, one cirrus very large & opaque at 4 pm in zenith convex to the wind. At ½ past 6 a beautiful cirrus passed from W. over zenith, extending from a point like a long flame, pointing E & W. Red cirri above & dusky cirrostrati near sun at setting. Serene even^g. At 8 pm the moon between clouds as here represented. 	W ½. W 1. W 1.	60	69	77
Monday, August 26.	·02 ·01 29·96	Morn^g fair & hot, trains of cirro-cumuli extending from SW to NE. cumuli & cir'strati followed with sun between, very hot & sultry day. Cloudy & hot evening. 9 pm Th^r 63°. Little wet at 10 pm. Sultry night & little dropping of rain.	SW 1. SW 1. SW 1.	52	64	75
Note. –		Great dispatch in the harvest for several days past. The corn in fine condition. —				

Day.	Barometer.	The Phenomena of Atmosphere in August 1839.	Point and Force of Wind.	Thermometer. Lowest early in morn.	At 9 morn.	Highest state.
Tuesday. August 27th.	29.87 -.89 -.95 -.97	Cloudy, little wet 6 & 7 a.m. clouded till near 10, afterwards bright at times, large cumuli & nimbi, a few drops now & then, yet a fine harvest day here. The Nimbi were but trifling to day, none heavy. Cloudy about ⊙ set. Clearer night & vivid coruscations of crimson lights from ENE across zenith from 8 to 9 pm.—	NW 1. WNW 2. WNW 1.	57	59	69
Wednesday August 28.	30.12 -.13 -.12	Foggy morng clouds from the stratus breaking away, cleared after 9, bright sun, with cirro-cumuli and cumuli below them, chiefly sun, very fine & hot day. An extensive bed of cirro-cumulus eastward 9 pm, & white streaks of Aurora near the zenith, like bright clouds. Moon shining.—	W ½. W ½. SW ½.	48	62	73
Thursday August 29.	.03 -.01 -.00 29.98	Cloudy & few light drops, sultry air, some sun after 1 pm, cumuli flying & light breeze, hot and sultry. The cumuli to day were loose & flimsy and beauteous lines of cirro-cumuli at 5 pm in the W. lying longitudinally. Cloudy hot night, & lightning at a distance. 9 pm Thr 63°. —	SSW 2. S 2. S by E 2 S 2.—	55	63	72
Friday. August 30.	-.95 -.94 -.92	Sultry morng & clouded with lofty cirrocumulus of dusky hue, and no dew deposited. Lower clouds followed, cumuli & scud, very hot & sultry, yet little sun, few drops at times; warm eveng, and night, no dew, hazy cirrostrati, and cirrocumuli in zenith 8 pm from SW to NE. — Lightning 12 pm.	SSW 2. SW 2. S 2.—	60	65	72
Saturday. August 31.	-.74 -.60 -.49 -.34	Cloudy, dark cumuli, & cirrostrati, windy forenoon, strong gales driving up clouds of dust in the turnpike road, moderated at 12, & rain set in at 1 pm, squally with rain most of the afternoon. Stormy eveng and night rain at times, very turbulent, yet close & warm.	SSE 4. S 4. SW 3. SSE 3.	57	64	68

Barometer.

Highest on 5th	—	30.38
on 12th	—	30.37
Lowest on 31st.	—	29.34
Range of month		1.04
Mean	—	29.86

Thermometer.

Highest on Augt 3rd	—	89°!
Lowest 21st night	—	40
Range of month	—	49
Mean Maxm of day	—	72.29
Mean of extremes	—	64.5

Prevailing winds of August were the SW & NW. fine days 23. Depth of rain only 1.72 inch, while the Evaporation during the month was even 4.94 Inches! This amount was great & served to produce a dry & good state of the cut crops in the Field. Although a temporary check by rain occurred about the 16th, yet on the whole this was a warm & fine month, and highly favourable for the Harvest in most parts of England, South of the Humber. The extreme heat near the commencement of the month soon moderated to an agreeable and soft Summer temperature.

Conclusive remarks for August 1839, continued.

The general agricultural report gives ample testimony of a very abundant crop, especially of Wheat, and we believe such is in most parts, likely to be borne out. The wheat here certainly does not yield so well as some other districts, but we may be grateful for good crops & fine weather, as nearly all have done the harvest except a few loads of barley. — The landscape in maturest garb (enlivened by the paler green of the oaks' second shoot, as well as those of the elm relieving as these are to the dark foliage of August) charms the observer with its perfected scenery; and the later flowers, the convolvulus, fleabane, &c add their splendor to the hedges, and mounds! — The beauty of the clouds too has attracted my notice in my many walks, during the last 3 months, and which the daily register shews herein. — The meteors on 10th met general notice.—
No material sickness this month. — Rivulets dry to the 31st.

Day.	Barometer.	September 1839.	Point and Force of Wind.	Thermometer. Morng early.	At 9 morng	Highest state.
Sunday, Septr 1st.	29.16 -.16 -.23	Boisterous with flying clouds, cumuli & cirri, and bright sun at times; between 2 & 3 pm, several nimbi with heavy beating showers, vivid forked lightning & violent thunder, some of which was over us. Much thunder in all points, rather less wind after 2. Fine & sunny eveng, brilliant ⊙ set, twilight strong. Lightning SE & E. 9 pm. —	SW 4. SW 5. SW 3.	55	64	69
Monday, Septr 2nd.	-.30 -.33 -.29	Cloudy & thick morng at 6 & after, an arc of blue sky to SW, where a defined edge of the veil of clouds appeared, consequently soon cleared. — Chiefly bright in the day, cumuli & nimbi about, & the crowns of nimbi smoothed over by cirri: little shower at 1. & showery evening.	SW 2. SW 4. SW 2.	57½	61	67
Tuesday, Septr 3rd.	-.45 -.50 -.62	From 5 to 8 am, handsome displays of cirrus, cirrocumulus, & cirrostratus in silver white, most in N & E. Bright morng & cumuli flying. Frequent showers with sun between, very heavy storms after 2 pm. At ½ past 5, a violent torrent of rain, lightning and most violent thunder! — Fine night, clouds, and wind.	WSW 2. WSW 3. W 3.	52	60	64
Wednesday Septr 4.—	-.78 -.90 30.02	Bright morng white cirrocumuli about; very fine and warm day, cumuli and cirro-cumuli: a fine bed of the latter Eastward at 5 pm, in smallest ribs & dapples. Pleasant evening. Black & dense cumuli floating, some of them in SW. with cir'strati across at 7 pm. Aurora 11 pm.	W 2. W 1. W by N	53	61	69
Thursday, Septr 5.	30.0 29.98 .96	⊙ bright red at rising, raining here & the straight limit of the cloudy veil soon hid his orb. — Overcast & wet till 10 a.m. Sultry close & cloudy, little sun at times, wind after 2. Sultry evening, some clouds sun set clear below dark clouds.	S 0 SW ½ SW 3.	49	59	69
Friday Septr 6.—	30.07 .14 .18	Bright and hot day, some cumuli and lines of cirri, sun generally shining full and hot. Close & sultry evening. Thermr at 8 pm 62°. Night clear at 11, little wind. Very fine day for forwarding the harvest, which is drawing fast to a close.	WSW 1. WSW 1. SW 1.—	56	64	73

The Phenomena of Atmosphere in September 1839.

Day.	Barometer.	The Phenomena of Atmosphere in September 1839.	Point and force of Wind.	Thermometer. Morning early	At 9 morn	Highest state.
Saturday Sept^r. 7.	30·06 29·95 ·91	At ⊙ rise, many confused cirri & cirro-cumuli tinged with purple and rose-colour; a stratus followed fog from 6 to 8, bright & hot till after 10 - then hazy with cumuli also, till 2pm - afterwards brighter with white cirro-cumuli & cirrostrati in lines parallel to West horizons. Cloudy night with strong gusts from SW. yet very sultry and close. New moon 10 pm.	S 1. S 3 SSW 3 SW 5.	51	63	69
Sunday Sept^r. 8.	·95 30·08 ·14	Morn^g bright with silvery knotted cirro-cumuli in many beautiful lines and beds, bright and warm day with thin cumuli & cirrostrati & brisk gales. cirro-cumuli above again at 3pm. Hot & sultry. Windy clear and very warm even^g. Therm^r 62°. 8pm.	WSW 4 WSW 3. SW 3.	56	62	70
Monday Sept^r. 9	·10 ·13 ·10 ·08 ·10	Thin cirrostrati of grey hue with bright sun & a hot morn^g with wind. Bright and very hot day small cumuli flying with brisk drying wind blowing puffs of heat. Beautiful sun-set clear & brilliant, & a golden twilight and very strong. Calm & hot, starlight night. Th^r 64 at 7½ pm. -	S 2. SW 3. SW 2. SW ½.	58	67	75
Tuesday Sept^r. 10.	·08 ·14 ·20 ·22 ·25	Cloudy & sultry morn^g part of sky clear blue, and in the East, a beautiful scene of silver white clouds, the cirrostratus in long narrow pointed stripes parallel to Horizon, & small cumuli heads & jagged points all along their upper edges like long saws, teeth upward: and the cirrocumuli white and dark in dotted ranges like embroidery! Bright and very hot day, the clear blue dappled with beautiful round white cirro-cumuli all day; nearly calm & at times quite. Tinges of prismatic colours on small white clouds as they passed the sun. The ribbed cirro cumuli at 5 pm, ranged W to E - pass^g the N to E - and the wind now E. Cloudy - hot night. Th^r 61 at 11½ pm. -	WNW 1 W ½ WNW 0 E 1 ESE 2.	57	64	76
Wednesday Sept^r. 11.	·19 ·20 ·08 ·04 ·00	Distant lightning & thunder, & rain here, morn^g early. - Cloudy & sultry morn^g, clear after 9, bright & very hot day with white knotted cirro-cumuli more cloudy & close after 2, and excessively sultry & oppressive. Evening the same, Therm^r 64 at 8 pm. - Clearer during night, calm & sultry, and at 11 pm Therm^r 62°! - Blue mist during even^g. -	SE 0. SE 0 S 0. S 0.	58	68	76
Thursday Sept^r. 12.	29·90 ·84 ·83	Cloudy with blue mist & light rain from 6 to 8 am, fine cloudy day, little sun, dark cumuli & cirrostrati. Little wet at 6 pm. Gloomy evening. Clearer night and calm. - very warm & summer weather still.	WNW 1 W 1. W 1.	61	60	67
Friday Sept^r. 13.	·75 ·72 ·62	Bright and warm, with cirri, cirrocumuli, cirro-strati and cumuli, a Nimbus passing to SE. from SW at 1 pm. Fine drying day here. - Lightning SE. 11 pm, after a bright twilight. Some clouds about. stars bright in part. -	W 1 SW 1 S 2.	48	60	67
Saturday Sept^r. 14.	·38 ·30 ·26	Cloudy, windy & little wet. stormy, windy, and chiefly rain till noon, fine afternoon. sun at times with white cirrostrati, and cirrocumuli in fine dapples. Cloudy evening gale and rain. Stormy night very warm, with squalls of wind from SE.	SSE 3. SE 3. SE 4.	51	58	64

Day.	Barometer.	The Phenomena of Atmosphere in September 1839.	Point and force of Wind.	Thermometer. Morning Early	At 9 a.m.	Highest state.
Sunday, Sept^r. 15.	29·34 ·30 ·44	Cloudy with sun at times, many cumuli, and cirrostrati, some showers after 3 pm. dark raggy nimbi; and bright headed cumuli in S & SW horizon at 6 & 7 pm very beautiful. - At ⊙ set - a sheet of cloud passed over, rolled as volumes of smoke, and tinged yellow and red as twilight came on. Clearer night and less wind.	SE 2 SSE 3 SSE 2.	57	59	66
Monday Sept^r. 16.	·53 ·53 ·53	Stormy, hasty showers, with wind; sun between; very showery all day, raggy nimbi, and cumuli, with sun at times. Fine and windy evening. Much cirri, cirrostrati, and cirrocumuli. Some luminous clouds N.E.	SSE 3. S 2. SSE 4.	52	59	64
Tuesday Sept^r. 17.	·60 ·67 ·51 ·40	Bright & fine morn^g, cirro-cumuli about: cumuli followed, bright till noon, then hazy and increased cloudiness, rain after 2, wet evening. - wind variable. - 8 pm - heavy rain. A sudden turn of wind, and gale NW at 9 pm. Stormy night. -	SW 3. SSW 1. NE 1. NW 4.	54½	60	65
Wednesday Sept^r. 18.	·61 ·65 ·72	Bright morn^g, with beds of round cirro-cumuli: fine and bright day, cirri and cumuli, and some small nimbi distant. Hazy & many cirri even^g. Clear and bright moon 9 & 10 pm. Some white lines of haze. -	SW 3. SW 3. SW 2.	48	58	66
Thursday Sept^r. 19.	·63 ·61 ·65	Heavy rain from 7 to 9 am, bright with cumuli flying. Cumuli and sun from 10 till 1. afterwards clouded and hazy, rain again at 3pm. little rain even^g. Night fine, and at 11 pm stars bright, and no cloud.	S 2. SSW 1. S 1.	48	54	66
Friday, Sept^r. 20.	·76 ·73 ·78	Bright morning; at 8 - a group of cumuli in SSW, and a small white cirrostratus upon the highest crown. —— Bright and warm day, cirro-cumuli, cirro-strati, & cumuli. Distant Nimbus SE. at noon. - Cloudy, calm even^g & night.	S 1. S 2. S 0.	48½	59	66
Saturday, Sept^r. 21.	·65 ·61 ·68	Cloudy, calm & warm, began to rain at 9 am, increased to heavy rain and continued till 3 pm; then cleared up. - Bright even^g, sun very brilliant at setting till a cirrostratus on horizon hid his orb. many cirri which became red in the twilight. - Clear night, moon bright. Some meteors. -	NE 0. NW 2. NW 1.	51	54	56
Sunday, Sept^r. 22.	·75 ·75 ·74 ·78	Bright morn^g, with vast groups of rugged cumuli on SE and E. horizon; these came up - and many cirrostrati cut them horizontal in the distance. - Day chiefly bright and warm, but all around every modification from cirrus to Nimbus appeared. Frequent piles of Cumulostratus cut across by cirrostratus, and finally a beautiful variety of scene the whole day. - Little shower 4½ pm, - and a very great storm of rain 3 miles to NW & N. wind then WNW - few min^s Thunder storm 5 miles S. same time. Rugged cumuli ranged on SE. horizon again to night; moon bright. — Summer Quarter closes. —— The Nimbi very black and large N & S. 5 pm. -	S 0. SW ½. SW 1. SE 0.	44	57	65

Phenomena of Atmosphere in

September 1839.

Day.	Barometer.	Phenomena of Atmosphere in September 1839.	Point and force of Wind.	Thermometer: Morning early.	At 9 a.m.	Highest State.
		Autumnal Equinox enters.				
Monday, Septr. 23.	29.84 .90 .98	Fog till 10 a.m, cloudy.– Bright after 12, with fleecy cumuli. Calm, serene, and bright afternoon. Evening calm. Rugged blue cumuli on SW horizon. – Some cirri. – Full moon 7 a.m.	WNW 1. W 0. W 0.	43½	52	63
Tuesday. Septr. 24.	30.00 .02 29.98	Fog till 9 a.m. – Fine, and warm day, chiefly sun. Cirrocumuli, cirrostrati, and cumuli; More cloudy after 3, much undulated cirrostratus, and dark cumuli. – Very warm breeze from S, and shew for rain. –	S 0 SW 1. S 2.	43	54	67
Wednesday Septr. 25.	.89 .92 .96	Warm morng. much cirrostratus. Rain at 8 a.m for 30 minu. Cloudy till noon, bright and hot afternoon. Much cirrus, white cirrocumulus, & cirrostratus in handsome spots and lines, and some cumuli. A cirrstratus tinged crimson in W. at ☉ set. – A fine bed of cirro-cumuli 8 & 9 pm of silver white brightened by the moon. A fine scene!	SSE 3. S 2. SW 2. SW 1.	55	60	69
Thursday Septr. 26.	.96 .95 .98	Shower in night past. Bright morng. Fine warm day. Cirro-cumulus, and cumulus clouds, but chiefly sun. Cirrus with some haziness towards night. Night clear and serene, and not at all cold. Fine beds of cirrocumuli 11 pm.	SW 1. SW 1. SW 0.	52	59	68
Friday, Septr. 27.	30.01 29.99 .91	Very clear morning. Fine and warm day, and chiefly bright. Cumuli clouds passing. Aurora Borealis in oblique columns from NE, at 8 pm. and luminous spots in zenith. Cirrocumulus covered the sky after this in alternate dots of shade and silver white, enriched by the ☾.	SW 0. SW 2. S 2.	46	56	65
Saturday Septr. 28.	.70 .62 .66	Cirrocumulus and cumulus in knotted detachments, the cumuli approaching in appearance to the former kind. – Fine day. Hot in the morng, but dense clouds prevailed from 10 till 5. cumulus, cirrostratus and nimbus afar off. – Clearer after 5. Beautiful sunset, cirrostrati & cirrocumuli of crimson and gold. Clear night, a few luminous clouds NE from Aurora Borealis.	SE 3. SSE 2. S 1.	52	63	64
Sunday, Septr. 29.	.74 .77 .83	Clear morng. Bright and warm day, nearly calm. At 4 pm. beautiful groups of cumuli in the NE & E, and Cumulostratus in two places, while silvery cirrocumulus dappled the zenith. Bright starlight evening, and night. –	SW 0. W 1. W by N 1.	44	57	67
Monday Septr. 30.	.97 30.01 .08	Very clear and chilly morning. Bright day with some cumuli, Warm and calm, and the point of wind variable. Very fine and pleasant weather. – Clear and serene night. – Great dew in the mornings past. –	NW 0 E 0. SE 0.	39	55	67

— Results. —

Barom.r { Max on 10th = 30.25; Min on 1st = 29.16; Range = 1.09; mean = 29.70

Therm.r { Max on 10–11th = 76; Min on 30th A.M. = 39; Range = 37; Mean = 57.5

Conclusive Notes, for Septr. 1839.

The prevailing winds were from W to S, most SW. – Depth of rain 3.07 Inches. Evaporation amounting to 3.50 Inches, greatest on 9th viz .27. Fine days 17. The month was wet with a high temperature for the greater part. Many finished harvest about the 9th and 10th, when it was fine and very hot weather. Some of the Barley with others was got up in inferior state. Fair corn crop. Apples partial crop. – Ploughing proceeds well now from copious rains. – Pools re-replenishing. – Fungi very numerous, and among them the Mushroom as abundant as we ever knew. – This month afforded many pleasing walks notwithstanding the rain was frequent, but the evaporation was greater than the rain, and the temperature pleasant.

October 1839.

Day.	Barometer	October 1839.	Point and force of Wind.	Thermometer: Early in morng.	At 8 A.M.	Highest State
		— Great dew on the grass &c.				
Tuesday Octr. 1.	30.11 .09 .01	Morng clear. Cirrus only. – Fine, bright, and very warm day. Cirrus, cirrocumulus, and cumulus. Clear eveng, and sun set in golden splendour. No cloud. Red cirri and cirrocumuli in a train across S. Clear night.	SE 1. SE 1. SE 0.	40	55	66
Wednesday Octr. 2.	29.81 .80 .77 .87	Beautiful sky, gay with cirrostratus and cirrocumulus in thick beds. Ribbed and dotted ranges. Warm and soft morng. Prismatic tints in clouds by the sun. Day cloudy with sun. Blue smoky cumuli. Fine and warm. – 5 pm black in West. A gale from NW for a few minutes. Little rain 8 pm. – Clear night. Some Bolides.	S 0. SW 1. NW 3. afterwards 1.	45	54	64
Thursday Octr. 3.	30.04 .08 29.92	Clear morning, great dew. Very bright, calm, and warm day. Some cirrus and cumulus. Hazy with cirrostratus evening. – Night in part cloudy, stars at times seen. –	NW 0. S 0. SSE 1.	40	46	63
Friday, Octr. 4.	.62 .57 .70	Brisk gale at 5 & 6 a.m, with rain. – Continued rain till noon, and very heavy the last half hour. Wind veering more to SW, again. – Bright and hot for the season from 1 to 3 pm. Heavy shower again 5 pm. – Dense cumuli in groups to SW eveng. – Cloudy, warm night. –	SW 3 SSE 2. SSW 1.	47	55	65
Saturday Octr. 5.	30.00 .19 .25 .31	Rain chiefly all the morng from before 1 a.m. Heavy at 2 a.m. – Little wet till 10. – Fine and cloudy afternoon. Clearer after 2 pm. sun at times. Cumuli in loose fleeces of a dusky hue. – More settled to night. –	NW 2. N 3. NNE 1.	50	50	56

Meteorological Journal.

October 1839.

Day.	Barometer.	October 1839.	Point and force of wind.	Thermometer. Morning early.	At 8 am.	Highest State.
Sunday Octr. 6.	30·37 ·40 ·41	Cloudy. Elevated fleecy cumuli till noon, very fine day. Bright afternoon, with a gentle wind at NE. – Clear and serene evening and night. Stars brilliant. –	NE 1. NE 1. NE 0.	46	50	61
Monday Octr. 7.	·41 ·38 ·34	Cloudy fine and calm. Very fine day, fleecy cumuli in long arrangements – frequent sun, and warm. Autumnal tints not as yet apparent, yet the poplar leaves fall. Fine night; – some clouds. – New moon 2 pm. –	NE 0. E ½. E ½.	42	48	64
Tuesday Octr. 8.	·22 ·16 ·13	Cloudy, calm and warm morning. – Very fine and warm day. Fleecy cumuli and sun between. Cloudy evening, close and warm. – Some stars visible, but a cloudy night. –	SW 0. S 1. SE 1.	46	51	64
Wednesday Octr. 9.	29·98 30·00 29·97 ·92	A stratus passing off at 7 am, cloudy with sun, hot and close. Bright and hot afternoon. – Some cumuli, and round white cirrocumuli in very small divisions or dots. A real summer day. – Sultry evening. Much cirrostratus and knotted cirrocumulus. – Little breeze. – Very close night.	SSE 1. S 2. SSW 2. S 2.	54	60	69
Thursday Octr. 10.	·74 ·78 ·83	Showers early this morng. – Hot and sultry; cumulus and cirrocumulus and sun. – Cumulostratus nimbi and sudden heavy storms of rain 3 pm. Black Nimbus and shower 6 pm. – Clear night. – very sultry night, although clear.	S 2. S 2. SSW 1.	58	61	67
Friday Octr. 11. Summer weather as well as summer looking clouds.	·79 ·77 ·74 ·80	Much lightning in NE, early AM. – Clear morng. mist below, and very sultry. – Bright and very hot day, with cirrus, cirrocumulus, and cirrostratus in various forms, and of silver white. Became hazy at 3 pm. very hot and close evening with black and dense masses of cloud over us, and around E. S. & W. Much vivid lightning in those points, most S & W, and distant thunder. A shower at 9 pm. Thermr 62°!	SE 1. SE 2. ESE 3.	54	60	70
Saturday Octr. 12.	·91 30·07 ·17	A very fine and warm day, with much cirrus, cirrocumulus, cirrostratus and some cumulus; yet chiefly sun. – Damp and cloudy night. Saturn and Mars in conjunction hence the high Temperature & electrical clouds.	SSE 2. S 2. S 1.	55	57	63
Sunday Octr. 13.	·11 ·12 ·11	Rain early AM. Fine, clear and very warm day, with cirrus, cirrocumulus, cirrostratus, and some cumulus. Beautiful bed of circumulus across W, 4 pm. – these in SE current, and the cumuli in SW current below. Brilliant ☉set no cloud. Clear night.	S 1. S 1. SW 1.	50	55	64
Monday Octr. 14.	·08 ·01 ·01	Very clear morng. great dew. – Much cirrus followed at 8 and 9 am. – Very fine and clear day, with cirrus ramifying about, and cumuli below. – Some cirrocumulus also. – Much haze and cirrostratus night.	SE 0. SSE 2 SSE 1.	41	47	62
Tuesday Octr. 15.	29·95 ·96 30·02	Cloudy with a little wet at times, and the cirrostratus prevailing. – Cleared after 5 pm. – Moon about setting in a handsome train of cirrocumulus 8 pm. Some ribbed and some knotted in round white detachments. –	S 1 NW 0 SW 1	48	53	57

Meteorological Journal.

October 1839.

Day.	Barometer.	October 1839.	Point and force of wind.	Thermometer. Morning early.	At 8 am.	Highest State.
Wednesday Octr. 16.	30·14 ·14 ·17	Very clear. Much dew. – Very fine and clear day; warm and pleasant; a few small cumuli and linear cirri. – An arc of ribbed cirrocumulus again, across SW this evening. – Fine and nearly a calm night. – Sky clear in part.	SW ½. SW 1. SW 1.	45	47	61
Thursday Octr. 17.	·19 ·21 ·20	Very cloudy with much undulated cirrostratus: calm and wind variable, but most NE. – Little gleam of sun 1 to 2 pm. – Overcast night, & little wet. – Dark blue haze Eastward 5 pm – as if from a distant cold stratus. The west tinted red.	N 0. NE 0. NE ½	42	48	58
Friday Octr. 18.	·01 ·02 ·01 ·05	Overcast, rainy till 9 am; then cleared, a fine and sunny afternoon, warm and pleasant; white cirrocumuli and cirrostrati, with cumuli below. Serene evening and night; few fleecy cumuli and bright moon. –	ENE 1. SE 1. SSW 2.	49	50	61.
Saturday Octr. 19.	·05 ·16 ·22	Cloudy forenoon: sun breaking out at 11 am, – very fine, pleasant and bright afternoon, calm and warm. – Evening cloudless, moon and stars very brilliant. Clear & calm night. –	W 1. WNW 1 W 0. W 0.	45	50	58
Sunday, Octr. 20.	·20 ·18 ·16	Very clear morng and hoar-frost, for the first time this season. Very fine day, grey cumuli and warm sun. Brilliant sun-set, lines of cirrus & cirrostratus near sun, of golden tints. Bright moon, with a few white clouds between cumulus & cirrocumulus. Calm, clear and beautiful night. – Warmer than last. –	NE 0 ESE 1. E ½. E 0.	34	39	59
Monday, Octr. 21.	·16 ·19 ·24	Overcast with thick blue haze. General haze and cloudiness all day. – Very calm & mild. – Evening and night close and very warm, overcast and calm atmosphere. At 9 pm, Thermometer 54° out, and 53° indoors.	E 0. ESE 0. SE 0.	45	54	58
Tuesday Octr. 22.	·27 ·23 ·24	Overcast, thick haze, damp and calm morng; Very cloudy and overcast all day, very little wind. Ash leaves fall fast, and some others begin to fall. The varied tints now becoming apparent. – Continual cloudiness, eveng and night. Mild & calm. Full moon 4½ pm. – 9 pm Thermr 53° in & out.	SE 0. S ½. SW 1. SW ½.	52	54	57
Wednesday Octr. 23.	·20 ·22 ·20 ·19	Overcast and thick haze, clearer after 9 am, sun broke forth at 10 the first gleam since Sunday. Blue and grey cumuli with some sun, and the cirrocumulus above. Fine autumnal weather. Warm & pleasant midnight, with elevated grey clouds chiefly the higher fleecy cumulus. – Little wind. –	SE 0. SE 2. SE 1.	50	53	57
Thursday Octr. 24.	·18 ·19 ·24	Undulated cirrostratus generally at ☉rise, the whole sky tinged coppery red, giving all the landscape a lurid appearance. – Fine, drying, & pleasant day, but clouded with cirrostratus, and cumulus. The divided and serrated cirrostratus Eastward at 9 am. – Evening clearer, light fleecy cumuli and moon between. –	SE 2. SE 2. E 1.	50	53	55

(Atmospheric Phenomena in) October 1839.

Day.	Barometer.	(Atmospheric Phenomena in)	Point and force of Wind.	Thermometer. Early in morning	At 8 P.M.	Highest State.
Friday, Octr. 25.	30·36	Cloudy with little sun, a breeze & few drops at 9 a.m, afterwards nearly calm. — Blue &	NE 2.	45		
	·40	grey elevated clouds, chiefly cumulus & cirro-	ENE 1.		48	
	·39	stratus in connected sheet. — Drizzling showers after 5 p.m, from the N. —	N 2.			52
Saturday Octr. 26.	·38	Pluvial atmosphere, rainbows at 8 and 9 a.m. — Broad cirrostrati, cumuli, and nim-	NE 2.	42		
	·39	bi, little showers and sun between. —	NE 1.		44	
	·38	Unsettled state of weather, although so high a pressure.	NE 1.			52
Sunday Octr. 27.	·32	Clear morng. Fine and bright forenoon but the clouds stormy. Cumuli, cirrostrati	N 1.	39		
	·30	and nimbi with hail & rain in showers. —	N 1.		40	
	·28	Cirri upon the crowns of the nimbi. —				
	·32	Very unsettled, and warning for winter.	NE 1.			53½
Monday, Octr. 28.	·40	Cold storms of rain and hail with squalls from NE. — Cirrostrati, cumuli, and nimbi,	ENE 2.	39		
	·43	some sun. — A cold and unpleasant day. —	NE 4.		42	
	·47	Stormy night, although so high state of atmospheric pressure.	NE 4			49
Tuesday Octr. 29.	·45	Strong gale from Eward. A train of white clouds at 7 a.m. in zenith from NE to SW. border-	ENE 5	39		
	·41	ing on cirrocumuli. Sheets of cirrus & flying cumu-	ENE 6.		42	
	·36	li with bright sun, but the wind very strong and cold, yet a fine drying day. — The ground thickly strewed with leaves. Cloudy night and continued gale.	ENE 6.			49
Wednesday Octr. 30.	·27	Very drying and cold, continued gale from the Eastward. — Cirri in sheets, cirrostrati, & cumu-	ENE 5.	40		
	·22	li. Fine and bright day, flying cumuli,	ENE 5.		43	
	·21	strong gale and cold. Some clouds at eve and night, windy and very cold.	ENE 5.			49
Thursday, Octr. 31.	·11	Piercing wind, and dark lead-coloured clou-	ENE 4.	38		
	·08	dy sky. Very cold, but fine, and the wind abating. — Cloudy, dark night, windy,	ENE 3		38	
	·00	and very cold, yet during night the thermr. be- came higher than by day — reaching 40. —	ENE 3.			39½

Baromr. { Highest on 28th — 30·47; Lowest on 4th — 29·57; Range — ·90; Mean — 30·02 }

Thermr. { Highest on 11th — 70°; Lowest on 20th — 34; Range = 36; Mean = 52 }

Prevailing winds S. SE. and NE.; Fine days 22 in number, Rain 1.68 In. Evaporation 1.72 In.

This was a fine month for the seed-time, and the wheat was all got in early and well. Very little sickness during the month, but colds and coughs among the young. The trees retained their foliage beyond what is usual, this season.

— Conclusive Remarks for October 1839.

This month was very fine, and until the latter part, it was unusually warm and truly summer weather! After a calm gloominess in the fourth week — the month ended with piercing gales from the Eastward, and a sky threatening snow. A perfect contrast to the previous state of atmosphere and a great fall of Temperature, with strong drying gales, making dust in the roads. —

November 1839.

Day.	Barometer.		Point and force of Wind.	Thermometer. Early morng.	At 8 a.m.	Highest State.
Friday, Novr. 1.	29·93	Cloudy very little sun, windy and cold, very drying weather, and roads dusty. —	E 4.	39		
	·88	Cloudy night rather less wind, and some	E 4.		40	
	·91	what milder. Thermr. 10 p.m. near 45°. —	E 3.			44
Saturday Novr. 2.	·80	Cloudy and fine morng. windy with dusty roads till after 10 a.m. — when rain set in, and	E 3.	42		
	·70	continued more or less through the day, less	E 1.		43	
	·66	wind, overcast and warmer. —				
	·72	Overcast, calm and damp night. —	SE 0.			47
Sunday Novr. 3.	·78	Overcast, calm and mild. Very gloomy and overcast all day, and some fog. — Calm, fine	E 0.	44		
	·75	and very mild. True November weather.	E 1.		47	
	·72	The Trees still unusually thick in foliage!	ENE 0.			52½
Monday Novr. 4.	·60	Rain early, overcast and foggy, calm & warm although an east wind. Cleared at noon &	ENE 0.	48		
	·64	wind veered just before. Very bright and	SW 2.		50	
	·68	warm afternoon, some small cumuli, and white cirrostrati. Fine star-light evening.	SW 1.			55
Tuesday Novr. 5.	·61	Overcast and rainy forenoon, more fair, & some sun after noon, wind veering round	SW 2.	45		
	·71	the W. Cloudy evening, some lightning	W 2		45	
	·79	westward. — Stars peeping. —	WNW 1.			51
Wednesday Novr. 6.	·81	Cloudy, fine and mild. Pleasant day, calm and mild with sunshine, white cirro-	NW 1.	45		
	·85	strati and fleecy cumuli. Night cloudy,	NW 0.		45	
	·87	with stars visible at times. Calm & mild. New moon 8 a.m.	E 0.			51
Thursday Novr. 7.	·82	Cloudy & mild, much cirrostratus. Day over-	ESE 1.	42		
	·79	cast, little light rain. Gloomy and damp after 10 a.m. — Warm evening, overcast, and	E 2.		47	
	·81	drizzle. Unusually mild for the season. —	E 1.			51
Friday Novr. 8.	·83	Cloudy, very mild, hazy and ribbed cirrocumu-	SE 1.	49		
	·85	lus. — Sun gleaming at times. Much cir- rostratus in the day. — Fine, cloudy	SSE 2.		50	
	·86	and mild night. — Hazy with cirro- stratus prevalent. —	SE 2.			53

Day	Barometer	Phenomena of November 1839.	Point and force of Wind.	Thermometer: Morning early	At 8 AM	Highest State
Saturday Novr. 9.	29.70 –.58 –.60	Cirrus and cirrostratus in thick beds red with the ☉ rise. Fine and mild. Hazy, with sheets of cirrus & cirrostratus all day. A divided screen of cirrostratus in SW. 5 pm, and black knotted clouds in zenith at 6 27 pm.	SE 2. SE 3. SE 1.	48	49	53
Sunday Novr. 10.	–.54 –.37 –.30	Cirrostrati and knotted black portions of summer clouds! Gloomy & very warm, some rain at times. More fair after 2, scuds below, & white cirrostrati above. Little sun. Rainy evening and very mild. —	SE 0. SE 2. SE 2.	49	51	54
Monday, Novr. 11.	–.27 –.39 –.45	Cloudy some wet mild morng, fair & clear after 11 am. Bright sun, very warm, & beautiful afternoon. Night calm and pleasant, clear above, fog below, and several Meteors passing to S. across the zenith. —	SW 2. SW 1. SW 0	49	51	56
Tuesday Novr. 12.	–.54 –.60 –.69	Cloudy with sun, fine and warm, calm and pleasant day. Large cumuli, cirrostrati & linear cirri, some undulated and some like the feathers of a quill, others in divided dots all white. – A Parhelion above ☉ at 4 pm. – Fine divided cir'strati in specks & lines WSW tinged red. – Night clear above, fog below. Some Meteors.	NE 0. SE 1. SE 0.	41	46	56
Wednesday Novr. 13.	–.83 –.91 30.01	Overcast & foggy morning, day cloudy all over, gloomy, calm, & mild. – Evening & night in part clear, some clouds, but continued calm & mildness! —	NE 0. N 0. NE 0.	42.	48	51
Thursday Novr. 14.	–.11 –.09 –.13	Overcast and very gloomy, no particularly defined modifications, but continued mild and calm weather. Overcast evening, little wet, and rising temperature. The trees now shed their leaves very fast. –	SSW 0. SSW 1. SE $^{2}_{1}$.	43½	46	49
Friday Novr. 15.	–.08 –.06 –.01	Overcast & fog very mild, and birds piping! Rather clearer after 10 am, but chiefly overcast and mizzle p.m. Evening windy, & a little rain at times. Remarkably mild.	SSE 1. SSE 1. SE 3.	48	50	53
Saturday. Novr. 16.	29.93 –.99 30.04	Morning in part clear with beds of cirrus, very mild, cloudy after 9 am, till noon, bright and warm afternoon, white cirrocumuli, cirrostrati, and some cirri. The weather unusually warm for the season. – Aurora Borealis 8 pm & after. Clear night. –	SW 1. W 2. SW 1.	50	50	57
Sunday Novr. 17.	30.12 –.14 –.13	Mild & cloudy morng, the Thrush & other birds very melodious! Much cirrocumulus, & ribbed filaments of darker hue. – Sun shining between 10 & 12. and at times after, and a very warm day. – Many bars of cirrostratus lying parallel to each other. Overcast after 3, rainy and close night. – The mildness and calmness for so late in Novr. is very unusual. Neither outer coats, nor fires needed!	S 0. SW 1. SW 0.	46	50	57

Day	Barometer	Phenomena of Atmosphere, November 1839.	Point and force of Wind.	Thermometer: Morning early	At 8 AM	Highest State
Monday Novr. 18.	30.07 –.04 .06	The birds still tuneful. Overcast calm & very warm morng, heavy rain from 8 am, till 10 am, frequent rain the remainder of the day. Dark, with broad cirrostratus &c. Extreme mildness continuing. Night finer, and nearly calm. —	SW 0. S 0 SW 1.	50	54	57
Tuesday Novr. 19.	–.06 –.01 29.97	Fine morng, stratus below cirrostratus above. Very fine day, sun at times, much cirrus, and cirrocumulus; blue haze in the afternoon, and electrical smells in the air. Very still & mild. Rainy eveng & night, little more wind. —	SW 1. SW ½. SE 1.	44	46	52
Wednesday Novr. 20.	30.07 –.12 –.08	Clear & colder morng, some cirrostrati near the ☉ at rising. Very fine and bright day. A few fleecy cumulus. Very clear moon-light evening, much colder than for some time past. Purple haze on E horizon at 5 pm.	NW 1. NW 1. SW 0.	39	39	49
Thursday Novr. 21.	29.70 .66 –.80	Overcast & wet morng: showery through the day, and many clouds – cirrostratus and nimbus, little sun. Full moon 2 am. — Clearer eveng, bright moon, white cirrocumulus and fleecy cumulus.	SSE 2. SE 2. SE 1. NE 1.	35	41	46
Friday, Novr. 22.	30.00 –.12 .21	Morng in part clear, some cirrostrati tinged red at ☉ rise. – Frosty air for the first time this season. Chiefly fine and clear. Cumuli & nimbi, hail at times. Frosty night, some light clouds with sleet. Seasonable. —	NE 1. NE 1. NE 1.	35	41	46
Saturday Novr. 23.	–.30 –.31 –.31	Morng in part clear & hoar frost, some cirrostrati & cumuli of leaden hue, the North sky tinged lake 7½ am. A very fine day, chiefly sun, and a beautiful variety of clouds. Cirri in trains from SW to NE. 11 am; a Cumulostratus East at noon, and the cirrostratus, cumulus, and detached white clouds in irregular dots approaching to the cir'cumulus kind. – Undulated lines of cirrus SW 3 pm, and a splendid ☉ set; the various modifications tinged orange and lake. Clear night, & Aurora Borealis.	NE 0. N 1. NW 1. (then calm & veering.) SE 0.	32	35	48
Sunday, Novr. 24.	.21 .08 29.82	Overcast and thick blue haze, chiefly rain all day, and very dark, murky and unpleasant. – More wind and much warmer at 8 pm, & during night. Max Thermr by day 43. but now 49° 9 pm! The SW gale causes this. –	SW 1. SW 2. SW 4.	33	40	43 At 9 eveng 49
Monday Novr. 25.	–.73 .69 –.61 –.48	Cloudy & mild morng: fine drying forenoon some sun, and cumulus flying in loose and extensive masses. – A very mild, and fine day, very pleasant, yet windy. Large cumuli and cirrostrati, with warm gleams of bright sun at intervals. Very windy night and mild, but after midnight, less wind, much colder, and heavy rain from NW, where the wind veered. Much rain till 5 am of 26th as overleaf. —	W 3. SW 4. WSW 5 SW 5.	48	52	57

Day	Barometer	The Atmospheric Phenomena in November 1839	Point and force of Wind	Thermometer: Morning early	At 8 morn.	Highest state
Tuesday, Novr. 26.	29·41 —·50 ·50	Very heavy rain till 5 a.m. and the marshes inundated. A very fine day, after dawn, & chiefly sun, but a keen air; piles of the cumulostratus, and cirrostrati across. — A very clear even^g and night with frost; and the Stars unusually brilliant. —	NW 2. W 1. WSW 0.	37	39	46
Wednesday Novr. 27.	—·52 —·56 —·60	Very calm, clear, and keen night past, and morn^g Severe and very white frost, Therm^r on the grass at 7 am 23°. — in usual place 26°; the true temperature. Beautiful ☉ rise, a cirrostratus & cirri partly collapsed, tinged gold. — Day very fine, clear & calm, the hear-frost remaining in the Shade. — Some clouds even^g.	SW 0. SE ½. SE 0.	26	27	42
Thursday, Novr. 28.	—·67 —·73 —·75	Fine and drying morn^g, clouds & sun. — Fine day but cold, with large cumuli and cirrostrati. wind a fresh breeze. Evening and night in part clear, and in part cloudy with dark cumuli presages of storm. —	SE 1. SE 2. SE 2.	33	40	45½
Friday, Novr. 29.	—·53 —·41 —·39	Overcast, dark, and wet morn^g, and gale from East. — Strong gale and much rain at times, and very dark and stormy day. — Boisterous evening, and heavy rain at frequent intervals. — Vales again inundated. —	E 5. E 5. ESE 4.	39	44	47
Saturday, Novr. 30.	—·70 —·78 —·76	Morn^g in part clear, some haziness, cirrus, & cirrostratus. — A fine day, but generally hazy, calm and signs of coming frost. — Calm and foggy night and Thermometer falling rapidly.	SE 1. SE 0 SE 0	42	42	49

Conclusive Remarks, Novr. 1839.

Barom^r. { Highest on 23^rd. 30·31; Lowest on 11^th — 29·27; range — 1·04; Mean state 29·79 }

Thermom^r. { Highest on 16. 17. 18 — & 25^th = 57°; Lowest on 27^th — 26; range = 31; Mean = 41·5 }

Prevalent winds SE, and SW. — Rain 2·68 Inches. Evap^n ·19. Number of fine days 19. Not much sickness, beyond common colds and Catarrhs. Public expresses bear testimony of very unusual Inundations in Shropshire, and the West of England, from continued rains there, and even with us considerable wet marked the month, but the more striking character of November 1839 was its extreme mildness to the 25^th day. — The pastures and wheat lands very verdant all the time.

A great quantity of rain fell on 17^th and 25^th nights or following mornings early, both equalling 1·13 In: and during the latter half of the month, the quantity which fell was 2 Inches, or above $\frac{2}{3}$ of the whole amount for the month. —

Day	Barometer	The Atmospheric Phenomena in December 1839	Point and force of Wind	Thermometer: Early in Morning	At 8 morn^g	Highest State
Sunday, Decr. 1.	29·82 —·84 —·90	Hear frost, stratus below, clear above, a very fine day, no clouds, clear blue sky & bright ☉. Therm^r 83° at noon in full sun on a south wall, and 47° on a north wall. Clear, calm, and frosty evening and night. Th^r 31° at 8 pm. — Seasonable weather.	SW 0. SE 0. SE 0.	31	31	47
Monday, Decr. 2.	30·00 29·98 ·98	Sharp frost, and thick rime, calm atmosphere, fog continued till near 3 p.m. then clearer; a raw & cold day. Cloudy evening, and a little light rain after 8 pm. and a light breeze from the NW.	NE 0. NE 0. NW 1.	26	29	40
Tuesday Decr. 3..	30·01 —·01 ·02	Cloudy, with cirrostrati, and cumuli in dense masses, the latter with white rocky crowns in banks on NW. horizon. Little sun at times. — Calm night, some stars, but chiefly foggy. —	NW 0 NW 0. NW 0.	36	38	46
Wednesday Decr. 4.	29·93 —·88 —·96	Frost and clear at 4 am. Overcast, foggy, & little snow 7 a.m. — Calm and gloomy, with fog at intervals all the day. Evening and night chiefly overcast, cold and foggy. A few icy drops at times falling. —	NW 0. N ½. N 0.	31	34	42
Thursday Decr. 5.	30·12 —·20 —·27	Very foggy, raw and cold, fog cleared off at 11 a.m. very fine day, grey cumuli and sun; keen air and every sign of wintrly weather. Sun set in red haze. Clear evening and frost. — Foggy night, and frost less.	NW 1. NW ½. NW 0.	35	35	40
Friday Decr. 6..	—·42 —·45 —·47	Thick fog, calm, cold, and raw. Chiefly fog all the day, very calm, and smoke ascending perpendicularly. A little wind during evening from SE & E. — New moon 3 morn^g. —	W 0. NW 0. E ½	32	35	39
Saturday, Decr. 7..	—·45 —·40 —·35	Frost and fine drying morn^g, cloudy, and red sunrise. No fog, the clouds higher than of late. — Very fine day, fleecy cumuli and sun. — Cloudy night, and cold wind, from ESE & E. —	SE 1. SE 1. E 2.	27	34	43
Sunday Decr. 8.	—·23 —·18 —·12	Very cloudy with a cold drying air, and many signs for snow. — Less wind PM, but very keen air. The clouds dark, and chiefly dense cumuli or cirrostrati. No sun. —	E 3. E 2. ENE 1.	34	34	36
Monday Decr. 9..	29·93 —·86 —·81	Very cloudy, some sleet. — Calm & dark, but cold: — continual sleet & dark day. The top of a brick fence cased with ice all day! Overcast and thick sleet and granular snow at times this evening. — Great signs of approaching severity.	NW 0. NE 0. E 1.	33	34	36
Tuesday Decr. 10.	—·74 —·71 —·72	Very cloudy and calm; freezing Temperature. Continued cloudiness all day, small snow in thinly scattered grains at times. Lower clouds and fog 4 & 5 pm. Stars seen at 6, cloudy night. — Very calm and gloomy weather.	E 0. E 0. E 0.	32	33	37

Day.	Barometer.	The Atmospheric Minutiæ of – December 1839.	Point and force of Wind.	Thermometer: Morning early.	At 8 morn.	Highest State.
Wednesday Decr. 11.	29·74 –·63 –·46	Overcast, fog and rain, A.M. – Very cloudy and damp, all day. – Windy evening, and stormy night. rain at times. The Maxm. of temperature 9 pm. Clouds dense & ragged. –	SE 1. SE 3. ESE 4.	34	43	46
Thursday. Decr. 12.	–·50 –·38 –·34	Cloudy and mild. Much cirrostratus, some sun. Windy afternoon and chiefly hard rain, drifting from SE. – Finer after 3 pm. Moon & stars bright during eveng. and fleecy cumuli flying with scuds. –	SE 3. SE 4. SE 3.	41	43	47
Friday. Decr. 13.	–·42 –·42 –·41	Morng fine, in part clear. Some cirrostrati, and a cumulostratus on S horizon 8 & 9 am. like a projecting precipice on W side. Fine and sunny with sheets of plumose cirrus. Hazy after 3. Evening very hazy and shew for rain. –	SE 1. S 2. S 2.	37	38	46½
Saturday Decr. 14.	–·36 –·36 –·46	Rainy morng. much cirrostratus. continued so till near 11am. Fine, bright afternoon, with some cumuli and cirrostrati. – Evening in part clear, and frosty; and a calm. –	S 1. S 1. SSW 0.	41	43	46
Sunday. Decr. 15.	–·65 –·70 –·68 –·58	Fine, calm, and hazy with some cirrostrati, a very still and fine winter's day. – Night very thick and hazy, and appearance of rain. Universal calmness all day and night.	SW 0. SW 0. SW 0.	36	36	43
Monday. Decr. 16.	–·70 –·85 30·09	Much rain early, near 4 a.m. – Hazy morng foggy till 1pm. afterwards bright sun, and a fine still day. – Evening chiefly clear, and moon bright. Some white fleecy cumuli, & cirrostrati. Frosty and keen. –	NW 0. NW 1. NW 0.	37	40	42½
Tuesday. Decr. 17.	–·20 ·13 –·03	Chiefly clear and hard frost. A cirrostratus, or line of stratus between two hills at 8 a.m., & the edges straight, so as to shew the landscape below it, and the tree tops above it. – Day in part cloudy with rain & sleet showers, sun at times. – Cloudy night, and a breeze. –	Variable calm. NE 0. SE 0. SE 2. & 3.	26	27	40
Wednesday Decr. 18.	29·70 –·58 –·53	Cloudy, cold and boisterous. Very hazy and thick sky all day, and very cold drying wind. Little snow 6 pm. then rain, and a wet night. Wind rather abating. –	SE 4. SE 3. SE 2.	35	37	39
Thursday. Decr. 19.	–·53 ·54 ·52	Heavy rain till after 5 am, overcast and little wet till 8 am. then finer but cloudy and damp. Very mild night. and rain at times. Considerable after midnight. –	S 1. S 1. S 1.	37	45	49
Friday, Decr. 20.	–·41 –·36 ·47	Overcast and very rainy. Floods on the marshes. Full moon – 1 pm. – Very mild close and wet. Heavy rain at noon, then cleared for a short time. Rainbow appeared. – Clouds again came on in a broad sheet the upper edge presenting a regular curved line. Eveng & night clear, bright moon. but still very mild. –	SSW 2. SSW 2. SW 1.	47	51	53

Day.	Barometer.	The Atmospheric Minutiæ of – December 1839.	Point and force of Wind.	Thermometer: Morning early.	At 8 morn.	Highest State.
Saturday, Decr. 21.	29·63 –·65 –·58	– The Winter solstice, shortest day. Very fine, clear, and mild, sun very brilliant and comfortable to the sense. – Primroses still in bloom in the garden. – Cloudy eveng. and little wet at times. –	SW 1. SW 2. SW 2	43	44	51
Sunday. Decr. 22.	–·60 –·65 ·46	Cloudy, calm, and very mild morning. Day cloudy and damp, more wind, and overcast P.M. Rainy and windy after 5 pm, and during night. Thermr. highest at night then 52°.	SW 0. SW 2. SW 3.	45	47	50
Monday, Decr. 23.	–·58 –·69 –·63 –·46	A gale at 5, 6, & 7 A.M. Clouds flying. Bright till noon with cirrus & cirrocumulus, and wind less. – Overcast after 1 pm, and a blue mistiness. – Rain after 3 pm. – Rainy and stormy night. and very mild. –	SW 6. SW 3. SW 1. SW 3.	47	46	49
Tuesday. Decr. 24.	·33 ·35 –·38	Windy, rain at times, and very mild. After 8 am. a fine day, sun at times, large cumuli with cirri above, and remarkably mild, but most so at 6 am. – Fine night and less wind. Sky in part clear.	SW 4. SW 5. SW 3. SW 2.	47	56	56
Wednesday, Decr. 25.	–·60 –·61 –·72	Very fine, and sunny, much cirrus, and white cirrostratus. – Not so mild as yesterday. Many red cirri at ☉ set. Clear, & calm evening. Stars bright. –	WSW 3. WSW 1. W 1.	42	42	46
Thursday, Decr. 26.	–·85 –·67 –·56	Calm with hoar frost. stars & moon bright at 7am. some cirrostratus & haze after ☉ rise. – Haziness increased. Overcast and rain all the afternoon. Wet eveng. and more wind. – Night warmer than the day, Thermr. 50°. –	SE 0. SE 1. SE 3.	30	30	40
Friday, Decr. 27.	–·35 –·55 –·66	Overcast and rainy morng, and till about noon. – Cloudy afternoon, foggy, and raw. – Fine night, but cloudy, and wind less. Morng warmer than day. –	W 2. NW 2. NW 1.	50	41	43
Saturday, Decr. 28.	–·81 –·89 –·93 30·00	Clear and frost; some white cirrostrati in divided lines. Fine day, chiefly sun, and much cirrostratus, both white and dark some undulated. – A singular cloud in zenith at 2 pm, lying from SW to NE in waving streaks, which were evidently falling sleet. – Clear and frosty night. –	NW 0. NW 1. NW 1.	32	31	39
Sunday, Decr. 29.	30·26 –·34 –·43	Clear with hard frost, and brisk keen wind. Very clear & bright day, no clouds, but a keen air. Thermr. on a South wall at noon – 67°. and on a North – 37°. – Very clear evening and night, stars very brilliant. – The weather is very changeable and unsettled. –	WNW 2. NW 1. NW 1.	30	31	37

The Atmospheric Phenomena of December 1839.

Day.	Barometer.	The Atmospheric Phenomena of December 1839.	Point and force of the Wind.	Thermometer: Morn'g early	At 8 P.M.	Highest state.
Monday Decr. 30.	30·47 ·41 ·34	Very hard white frost, partly clear, with much haziness afterwards, and cirro-stratus cloud. – Calm all day, and increased haze P.M. – Night overcast, some sleet, and wind rose.	Var. 0. SE 0. SE 2.	26	25½	37
Tuesday Decr. 31.	29·99 ·88 ·82	Foggy, and little wet A.M. – Milder again, Fine P.M., many varieties of cloud, sun gleaming. – The undulated cirrostratus prevailing, and beautiful trains of detached portions of dark cirro-cumuli. – cloudy and very mild evening. ——	S 2. S 2. S 3.	34	42	46

Results for Decr. 1839.

Barom.r { Max.m on 6th & 30th 30·47; Min.m on 24th —— 29·33; Range —— 1·34; Mean —— 29·90 }

Therm.r { Max on 24th – 56; Min on 30th – 25·5; Range = 30·5; Mean = 40·75 }

Depth of rain 2·04 Inches. Evaporation 1·9. — Fine days 20.
Prevailing winds the S.E., N.W. and S.W. in Decr. 1839.

The month of December 1839, was on the whole very mild, and from the 11th to 31st, frequent rains kept the land in a completely saturated state, so that no field-work could be engaged in during the month. – The great prevalence of Easterly or Southeasterly and Northwest winds this month was more than usual, and was even strikingly remarkable, that of the S.E. most especially so. —

A great deal of sickness of many kinds was prevalent during the month, yet few deaths or bad cases of illness occurred. – The changes of temperature were great at several times, and mildness preponderating caused many little flowers to produce shoots and blossoms nearly or quite throughout the month in the garden. —

Conclusive remarks for the year 1839.

— Table of the monthly winds.

1839.	E.	W.	N.	S.	NE	SE	NW	SW	Prevailing winds. –
Jany.	0	1	2	0	4	0	13	11	NW & SW.
Feby.	0	5	1	1	3	4	4	10	SW.
March	3	5	1	1	6	7	2	6	SE. NE. & SW.
April	4	1	4	0	8	4	3	6	NE. SW. & E.
May	2	2	2	4	9	3	6	3	NE. & NW.
June	5	0	0	2	5	3	3	12	SW.
July	1	1	1	6	2	4	2	14	SW. & S.
Augt.	1	5	2	4	0	2	8	9	SW & NW.
Sept.	0	4	0	6	0	5	2	13	SW.
Oct.	2	1	2	9	8	6	0	3	S, NE, & SE.
Nov.	5	2	0	1	2	9	3	8	SE. & SW.
Dec.	2	1	1	4	2	8	7	6	SE. NW. & SW.
Totals.	25	28	16	38	49	55	53	101	SW. SE. & NW.

Monthly depth of rain, and Fine days.

1839		Rain	Fine days
	January	1·41	17
	February	2·00	17
	March	1·34	19
	April	·83	23
	May	·83	26
	June	2·84	20
	July	1·83	22
	August	1·72	23
	Septr.	3·07	17
	Oct.	1·68	22
	Nov.	2·68	19
	Dec.	2·04	20
	Total	22·27	245

Conclusive Remarks on the Year 1839 continued.

The principal features of 1839, were its stormy winter; cold Spring to May 18th with the exception of a few intervening hot days; a warm and electrical summer; & warm and wet autumn. —

The Coldest days were January 30th & March 10th, Thermometer 18°. & 17° respectively; —
And the Hottest were June 18th – Thermom.r 83½°, and August 3rd. Thermometer as high as 89°.

The Highest Pressure Jan.y 23rd = Barom.r 30·61.
The Lowest Do. Jan.y 7th = Barom.r 28·98.
This was the day of the great storm. —

Barom.r range 1·63, mean 29·79. Therm.r range 72° – mean of extremes 53°, which is a high mean. —
Mean of the year about 49°. —

The Atmospheric Phenomena of January 1840.

Day.	Barometer.	The Atmospheric Phenomena of January 1840.	Point and strength of Wind.	Thermometer. Morning early.	Thermometer. At 8 a.m.	Thermometer. Highest state.
Wednesday Jan.y 1st.	29·82 ·82 ·85	Cloudy and very mild, the undulated cirro-stratus prevailing. Clearer at ☉ set, thin cirrostrati in parallel order tinged red. Night partly clear, stars peeping. Very mild and pleasant, and beyond season. —	SW 2. S 1. S 2.	45	49	51
Thursday Jan.y 2nd.	·80 ·86 ·96	Pleasant mild and sunny morning. A very bright and mild day, with drying wind. a few cumuli pm. – Clear evening and stars bright. wind less. —	SW 2. SW 3. SW 2.	45	48	51
Friday. Jan.y 3.	30·02 ·01 ·05	Much cirrostratus all day, and some ribbed. – At ☉ rise these were tinged a beautiful red. – Drying forenoon, few drops 1 P.M. fine with gleams of sun after 2. – A rainbow soon after 3 pm. – Night cloudy, and but little wind. —	WSW 3. W 3. W 2.	37	40	46
Saturday. Jan.y 4.	·09 ·02 ·01	Cloudy – with much cirrostratus. sun at times. Afternoon more generally clouded, and colder to day. – New moon 9½ pm. Brilliant Aurora, yielding great light. —	NW 1. NE 1. NE 0.	35	35	41½
Sunday, Jan.y 5.	29·99 ·97 ·96 ·97	A fine display of Aurora Borealis last night, causing the light of a full moon. Morn.g clear and frost; and at 8 a.m. the horizon in NW presented the finest purple and lake tints, the lake uppermost. A fine clear day, sun bright; cumuli in SE. 8 a.m. Therm.r on a S. wall at 1 pm 75°. & in shade 38°. Cirrostrati about horizon pm. Frost at night, and snow-clouds. —	NE 0. NW 0. NW 1.	31	31	38
Monday, Jan.y 6.	30·09 ·21 ·30	The ground white with snow, clear and frost. Chiefly sun all day, some cumuli, scattering snow, wind brisker P.M. and very keen. Even.g & night cloudy & clear by turns, and sharp frost. —	NW 0. NE 2. NE 1.	29	31	35½
Tuesday, Jan.y 7.	·37 ·31 ·28	Severe frost, a few dusky cumuli at 7 & 8 am, very bright day, and continued frost. — Sun set in gold & purple haze, very clear evening and night. Frost very severe. — Therm.r at 10 pm down to 19 degrees.	E 0. SE 0. SSE 0.	25	27	32
Wednesday. Jan.y 8.	·20 ·21 ·21	Great severity last night, abated with some clouds this morn.g, but still severe. Divided cirrostrati & cirri, and some cumuli threatening snow, but a fine day some sun, & continued frost. – Night partly clear, but at times cloudy. A few flakes of snow. –	SW 1. NW 1. NW 1.	18	24	32
Thursday Jan.y 9.	·28 ·32 ·41	Overcast and foggy, little thaw. Very calm and gloomy atmosphere. Increased fog and little wet pm. Very gloomy. – Wind veered and increased to brisk at 8 pm and snow began to fall. –	NW 0. NW 0. NE 2. E 2.	28	34	36

The Phenomena of Atmosphere in January 1840.

Day	Barometer	The Phenomena of Atmosphere in January 1840.	Point and force of Wind	Thermometer Morning Early	At 8 even^g.	In the Day.
Friday, Jan^y 10.	30·54 ·57 ·59	The landscape whitened with snow again, very clear & brilliant sun-rise, and frost. Sun bright all day, and set in golden splendour. The rose tint in opposite horizon. Severe night, stars very bright, no cloud; at 8 pm Therm^r 21°, and at 10 pm 19°.	NE 0. E 1. ESE 0.	28	27	33
Saturday, Jan^y 11.	·35 ·52 ·52	Very clear, and severe frost, a long cirrostratus across S.E. at ☉ rise, tinged red, & afterwards yellow & white. Sun rose clear. — Clear all day, a faint train of ribbed cirrostratus from S. to zenith at 4 pm. Some cirri near the point of ☉ set; kindled red. — Clear even^g, and little more wind. 8 pm Th 28°.	SW ½. SE ½. S 0. S ½. & 1.	16	19	33
Sunday, Jan^y 12.	·39 ·34 ·30	Chiefly clear with some wind. Irregular cirri & thin cirrostrati prevail. Very cold, but fine, and frost less. — Some haziness in the even^g, and halo round the moon. — Little wind continuing. — 8 pm Th^r 31°.	S 2. SSE 3. S 2.	25	27	36
Monday, Jan^y 13.	·27 ·19 ·08	Clear and frost, sun rose clear & red, & some cirri collapsed in west, tinged red. Very fine and clear day. A train of cirri in SW 3 pm. — Many thin white cirrostrati to night and Lunar halo.	SSE 2. SSE 2. SSE 2.	26	29	38
Tuesday, Jan^y 14.	·02 ·04 ·13	Little thaw after dawn and much broad cirrostratus at an elevation less than usual: sun between. Afternoon more overcast, and thaw proceeding. — Foggy even^g clearer night. — Gentle thaw.	S 2. SW 1. SE 1.	29	35	41
Wednesday, Jan^y 15.	·21 ·18 ·04	Foggy and overcast, with brisk wind veering rather between SSW & SW. Windy and mild night, and a little rain at midnight. Short gusts from SW.	SW 2. SW 3. SW 4.	36	40	44
Thursday, Jan^y 16.	29·75 ·76 ·81	Clear in part at ☉ rise, and much plumose cirrus. Very fine sunny day, with brisk gales. Clouds after 3 pm, and the barred or ribbed cirrostratus. — Evening clear moon-light.	SW 2. SW 3. SW 2.	40	38½	45
Friday, Jan^y 17.	·64 ·68 ·87	The sky overspread with low cirrostrati, which soon lowered, and it became overcast and thick with little rain. Clearer P.M. sun gleaming & clouds breaking into scuds. Cloudless night and frost. Red cirri at ☉ set.	SE 0. NE 0. N 0.	36	38	43
Saturday, Jan^y 18.	30·04 29·92 ·81 ·72	Hard and white frost. A rich scene before ☉ rise in the East. Long horizontal cirrostrati of crimson & rose tint. After 9 am, it became hazy, and thick. — Overcast, and after 1 pm, sleet & rain. Rain continued and the temperature rose fast towards night, with a gale at SW. Thermom^r rose in the night to 49°. Windy & rainy night.	SE 0. S 2 SW 4. SW 5.	27	28	41 to 47 night 49

Full moon after Midnight
Snowdrop in flower, & aconite appearing.

The Phenomena of Atmosphere in January 1840.

Day	Barometer	The Phenomena of Atmosphere in January 1840.	Point and force of Wind	Thermometer Morning Early	At 8 even^g.	In the Day.
Sunday, Jan^y 19.	29·56 ·33 ·50 ·56	Overcast and rainy forenoon with squalls at times, hard gales after 12, sun at intervals, flying cumuli, cirrostrati & cirri. At 3 pm a dense Nimbus with violent storm of wind and rain, from West. — Clear evening and night and less wind, but still galy.	SW 3. SW 6. W 7. W 3.	45	46	54
Monday, Jan^y 20.	·64 ·75 ·71	Cloudy with red east, overcast and rain from 9 am. till 10 am. then cleared. — Fine & sunny noon and afternoon. Cumulus and cirrostratus about. — Stormy night; gales and rain. — Snowdrops and aconite in flower for 3 days. —	SW 4. W 4. SW 5.	39	40	45
Tuesday, Jan^y 21.	·32 ·30 ·33 ·47	Hard gales early AM. — Mild and cloudy, broad sheets of ribbed cirrostratus, and dotted train of cirrocumulus converging at each extremity. WSW & ENE, filling the zenith, all the morn^g, in minute specks & parallel lines transverse to the train. — A tremendous storm of rain near 11 am. in drenching torrents driven by a hurricane. Finer afternoon, but violent gales continued. Cumuli and Nimbi passing about. Evening & night, violent gale, and dark cumuli.	SW 6. WSW 7. WSW 7. WSW 7.	40 to 54	51	51
Wednesday, Jan^y 22.	·72 ·68 ·82	Cloudy in part and strong gale in the morning. — More sun in the day, with some cumuli. — A storm of rain & wind 4 pm. — but the day less windy than the morning. Clear evening, and wind abating.	SW 6. W 4. & 5. W 3.	42	43	49½
Thursday, Jan^y 23.	·90 ·75 ·67	Cloudy, with gale and some wet, at times in the morn^g. Chiefly fine after 10 am, cumuli and cirrostrati prevail. little sun and mild. — Cloudy warm and windy night. Therm^r 52°.	SW 5. SW 4. SW 5.	37	42	51
Friday, Jan^y 24.	·48 ·24 ·07 ☞ 28·95 ·94	Cloudy, windy and very mild. The wind increased at 1 pm to violent gusts, still overcast and a little rain. Dark with rain, and very strong wind till 6 pm, then a tremendous beating storm of hail and torrents of rain, afterwards less wind, but rainy evening. — Barom^r extremely low. — Therm^r 8 pm 44°. Another drenching storm after 9. Stormy night.	SW 4. SW 6. S 7. S 7. SW 3.	52	51	53½
Saturday, Jan^y 25.	29·30 ·42 ·51	Fine morn^g, much cirrus and broad cirrostratus, with sun. The vales inundated by the torrents of last night. Chiefly sun, & a fine day, but windy and much colder than of late. After 3 pm, a dense Nimbus 12 miles to the North. Clear evening, less wind.	SW 4. W 4. WSW 3.	36	39	43
Sunday, Jan^y 26.	·03 ·01 ☞ 28·90 29·00	Severe storms of wind, and torrents of rain with great mildness. — Very dark and tremendous tornado from 9 am, with a prodigious fall of beating rain! Continual heavy rain till noon and some hail. — Fine afternoon, sun at times, cirrus, cirrostratus, cumulus, & distant Nimbi. Clouds & stars even^g, lightning S. and E! — Great floods in the marshes, vales &c.	SW 6. WSW 5. WSW 5.	36	51	51½ to 47

The Atmospheric Phenomena in January 1840.

Day	Barometer	The Atmospheric Phenomena in January 1840.	Point and force of Wind	Thermometer Morng early	At 8 morng	In the day
Monday Jany 27	29·39 ·50 ·68	Very clear, no cloud till noon, afterwards large cumuli, and wind increased again. Drying day. Clear eveng and less wind keen air, and a little frosty. Changeable and turbulent weather for some time.	WSW 4. WSW 5. SW 3.	34	35	44
Tuesday Jany 28.	·63 ·27 ·22	Overcast and rain all the forenoon, afterwards fine with sun and cirrostrati and cumuli. Evening overcast and some rain during the night.	S 4. SW 3. SW 2.	34	38	50
Wednesday Jany 29.	·52 ·72 ·83	Overcast; snow and rain 8 and 9 AM. gloomy till noon, clearer PM large rugged cumuli and sun. Clear evening, except a few dusky clouds; and temperature falling.	NW 2. NW 1. NW 1.	39	39	42½
Thursday Jany 30.	·98 30·01 29·90	Clear and frost. Fine and sunny day, a few linear cirri, and thin cirrostrati: these increased after 2 pm. Wind veered at 3, and scuds from ESE came on. Cloudy evening, and brisk gale from SE, with considerable rain in the night.	NW ½ NW 1. ESE 1. SE 4.	32	32	43
Friday. Jany 31.	·64 ·64 ·63	Very cloudy, damp, and mild. Some barred cirrostrati of dark colour. Gloomy till noon, fair afternoon, sunny & very mild. Evening chiefly clear, and nearly a calm, Stars bright. 11 pm the same.	SW 2. S ½ S ½	36	42	48

Results January 1840.

Barom

Barom.		Therm.	
Max on 10th	30·59	Max on 19th	54°
Min on 26th	28·90	Min on 10-11.	16
Range	1·69	Range	38
Mean	29·74	Mean	35

Prevailing wind, the SW. Rain 2·12 inches. Evaporation ·92 of an Inch. Fine days 17.

A large Fiery Meteor was seen at 10 pm of the 1st.

This month to the 17th was very fine, and at times, sharp and drying frost; but from 18th to the end it was remarkably mild, wet, and tempestuous. So much electrical phenomena also prevailed, as has not before been known in winter, for many years! Considerable sickness about, from colds and general affections of the head, and disorders of the viscera.

The Atmospheric Phenomena of February 1840.

Day	Barometer	The Atmospheric Phenomena of February 1840.	Point and force of Wind	Thermometer Morng early	At 8 morng	In the day
Saturday. Feby 1st.	29·52 ·38 ·29	Cloudy and moist, much cirrostratus. Rainy from 11 am till 2 pm, clearer after 3. Cloudy eveng, and windy night with some wet at times. Snowdrop & Aconite in full flower for several days!	SE 2. SE 2. S 2.	37	41	44
Sunday Feby 2nd.	·37 ·48 ·51	Fair, mild and pleasant, some cumuli, but chiefly sun. A drying day. Evening partly clear, and rather windy. 8 pm Thermr 40° where it continued all night.	SW 2. SW 2. S 2.	40	42	47
Monday Feby 3rd.	·35 ·28 ·27	New moon 2 pm. Cloudy and windy, little wet in a few drops, clearer pm, large fleecy cumuli, scuds, and cirrostrati, with some sun; and wind rough and galy. Evening in part clear. 8 pm Temperature 39·25. Wind getting more to SE.	SE 3. S 4. S 4.	40	41	46
Tuesday. Feby 4.	28·92 ·88 ·86	Cloudy, windy, and some rain early in Morng; windy day, very cloudy and gloomy. Evening and night chiefly cloudy, with squalls of wind and a little rain at times. Baromr extremely low.	SE 4. SE 5. SE 5.	38	41	46
Wednesday, Feby 5.	29·04 ·22 ·56	Overcast and frequent rain, very gloomy, and unpleasant weather all day. — Clear at 4 pm Overcast evening and night, and little wet at times, wind more Nward.	SW 3. W 2. NW 2.	39	41	44
Thursday. Feby 6.	·79 ·80 ·93	Clear morng in part, but after 9 overcast for an hour, little wet, afterward very fine, & sun bright, some fleecy cumuli floating in a NW current. Clear and nearly calm eveng, and bright Aurora Borealis, with several meteors. — Soon after 11 pm, a fiery Meteor of an immense size passed over, emitting a most intense light, and on disappearing, a report like a loud thunder-clap was heard! Its direction was from N.NE to SSW.	WSW 2. W 1. W 1.	36	36	47
Friday Feby 7.	·72 ·53 ·45	Cloudy, and mild, since dawn of morng. Very cloudy mild, and brisk gales, little wet at times. Clearer after 5 pm, and a clear evening. The Aurora Borealis very brilliant, after 8 pm. —	S 2. SW 3. SW 2.	34	43	51
Saturday. Feby 8.	·55 ·60 ·65	Fine and sunny till 1 pm, much cirrus both fibrous, and plumose, and many cumuli also. After 1 pm, a black nimbus, and thick storm of sleet & hail. — Primrose in flower; Piony coming up. Clear night, and cold wind. A stormy afternn.	SW 2. WSW 2. WSW 3.	38	41	46
Sunday. Feby 9.	·78 ·82 ·79	Clear and frost. Fine sunny day, thin haziness, with cirrus, and barred cirrostratus. Evening in part clear, some haziness & lunar halo. — Wind increasing.	SW 1. SW 1. SSW 2.	31	33	43½

The Phenomena of Atmosphere in February 1840.

Day.	Barometer.	The Phenomena of Atmosphere in February 1840.	Point and force of Wind.	Thermometer. Lowest Early.	At 8 morn.	In the day.
Monday Feb. 10.	29·69 ·72 ·81	Cloudy, and windy, mild morning. Rain from 10 till near 12. Fine afternoon, some sun, cirrostratus and cirrus clouds. — Evening in part clear some large fleecy cumuli exhibiting divers shades by moonlight. —	S 4. SSW 4. S 3.	39	47	49
Tuesday Feb. 11.	30·00 ·05 ·03	Clear morn. the birds very tuneful. A very fine pleasant and sunny day a few cumuli only. — The saffron crocus in flower; Anemones and polyanthus also gay. — Evening chiefly clear. Night more clouded. —	SW 1. SW 1. SW 1.	36	38	50
Wednesday Feb. 12.	29·89 ·81 ·83	Fine morn. long cirrostrati & cirrocumuli red in the E. Chiefly sun and windy, a fine drying day, much cirrus, and after 1 pm large cumuli came on. — Beautiful night, moon bright, and drying wind. —	SSE 3. S E 3. S 3.	42	44	51
Thursday. Feb. 13.	·92 ·95 ·98	A fine drying day. chiefly sun. & very pleasant; cirrus, cirrocumulus, and cumulus; some larger cumuli passing Northward at ¼ to 3 pm having a rich appearance, their white rocky summits being enveloped in thin woolly cirrostrati, as mountain-heads wrapped in mist. — Saffron crocus in flower these 3 days! A calm & beautiful night, long streaks of thin cirrostratus converging from zenith, of pure white. — A stratus on the vales. —	S 2. SW 1. SW 0.	38	42	51
Friday. Feb. 14.	30·02 ·01 ·02	Morn. clear above, a stratus on the vale; beautiful day, very bright and calm, some cumuli and ramifying cirri. — Clear, calm, and frosty night. Some very thin cirrostrati in long streaks & exhibiting detached bars.	NW 0. E 0. NW 0.	33	33	51
Saturday Feb. 15.	29·96 ·89 ·80	Chiefly clear & white frost. linear cirri & the same clouds as last even. — Sunny forenoon, cloudy P.M. and rain after 2. — Little rain at times the remainder of the day, and brisk gale till after 9 pm. —	SW ½. SSW 2. S by E 3.	29	31	47
Sunday. Feb. 16.	·84 ·90 ·99	Very mild, calm, foggy and mizzling morn. Clearer after 8. A very fine and warm day, sun at times very bright, with cumuli. More cloudy after 3 pm. — Calm, warm, and cloudy evening. — 9½ pm Therm. 47°.	SW 0. W 1. W 0.	41½	46	56
Monday. Feb. 17.	30·10 ·16 ·28	Overcast, little mizzle during morn. finer in the day, some sun, and large dense cumuli, and cirrostrati. Wind more to E. and increasing P.M. — **Full moon 2 pm.** Evening fine and drying, moon bright between fleecy cumuli. Cold wind Therm. at 9 pm 38°.	NNE 1. NE 1. E 3. E 3.	45	44	49
Tuesday. Feb. 18.	·37 ·37 ·38	Cloudy, and drying, with brisk wind, and very cold. A general dusky cloudiness, and a few flakes of snow. Evening and night the same and wind piercing. The Thermom. to day was highest at noon, at 2 pm 37°. — 5 pm 35½°. and 8 pm 34°. — ☞ Observe the great fall of Temperature since the 16th!	E 3. ENE 3. ENE 3.	32¼	35	40

The Phenomena of Atmosphere in February 1840.

Day.	Barometer.	The Phenomena of Atmosphere in February 1840.	Point and force of Wind.	Thermometer. Lowest Early.	At 8 morn.	In the day.
Wednesday Feb. 19.	30·42 ·47 ·52	Cloudy morning, little snow, and a freezing Temperature, a general lead coloured cloudiness. — Somewhat clearer in the day, some sun, dense cumuli & nimbi with light snow; wind piercing. Therm. 3 pm 35½°: at 5. 33°; & at 8 — 32°. Cloudy night.	E 2. ENE 3. ENE 3.	32	32	38
Thursday. Feb. 20.	·53 ·53 ·54	Drying and piercing wind with frost, very cloudy & little snow. the East very black with raggy clouds, at 8 A.M. — Cloudy freezing, and continual gentle snow all day. — Even. the same. clouds very dense. Therm. 8 pm 31°. —	ENE 3. ENE 2. ENE 3.	30	31	34
Friday, Feb. 21.	·54 ·54 ·50	Cloudy and continued frost. drying keen wind, & little snow. — Little sun 1 pm, wind afterwards more to E. and increasing, with cloudiness and snow. Very piercing wind. — Evening and night cloudy, and rather less wind. — Frost continued.	ENE 3. E 4. E 3.	30	31	32
Saturday, Feb. 22.	·44 ·40 ·40	Cloudy, drying wind and frost, clearer after noon, chiefly sun, with round cumuli and very keen air. Roads dusty, and the whole land dry on the surface. — Clear night and sharp frost. — 8 pm Th. 27°.	E 3. E 2. E 1.	30	31	36
Sunday, Feb. 23.	·36 ·36 ·38	Chiefly clear, but many cirri. & sharp frost. — cumuli followed during forenoon, very cold piercing wind. — Clear afternoon & even. and purple and pink tints on East horizon at ☉ set. 8 pm Therm. 29°. Clear night and brisk wind. —	ENE 2. E 4. E 3.	26	29	35
Monday Feb. 24.	·50 ·52 ·58	Very clear morn. dry frost, and piercing wind continued so all day, sun very bright. Remarkably drying. Evening and night continued clear and dry air. Very dusty roads.	E 3. E 3. E 3.	26	28	39
Tuesday Feb. 25.	·67 ·70 ·72	White frost, very clear morn. and the same all day, with continued drying & keen wind at E. Sun very bright. A long cirrostratus near the setting sun. — some linear cirri to W. — gentler frost — night. —	E 1. E 3. E 2.	26	30	42
Wednesday, Feb. 26.	·70 ·67 ·63	Frost A.M. Cloudy, dry & keen wind, little sun, Evening and night very cloudy, and the wind rather more to N.E. and very keen for some time past, yet no severe frost. —	E 2. E 3. E 2.	28	31	38
Thursday, Feb. 27.	·57 ·53 ·50	Morn. chiefly clear, & more frost. Day cloudy and very cold, and continued drying wind. Very cloudy evening and wind veering to the Northward again. Frost much less. —	NNE 1. ENE 2. NE 2.	25½	28	37½
Friday, Feb. 28.	·40 ·35 ·36	Much cirrostratus & sleet. — Sun at times, & milder, cumuli and cirrostrati, and a few drops. Evening clouded over, light mizzle at times, and the wind returning Eastward. —	N 2. NNE 2. NE 1.	32	34	45
Saturday, Feb. 29. 1840.	·45 ·51 ·52	Sun bright, some fleecy cumuli, & drying wind. A very fine day, but the wind very keen. Clear even. wind fresh. — Clear and very cold night, wind piercing. —	E 3. E 3. ENE 2.	31	33	43½

Conclusive Report for February 1840.

Barom.r	Max on 25th — 30·72 !	Therm.s	Max on 16th 56°
	Min on 4th — 28·86.		Min on 27th 25·5
	Range — 1·86		Range — 30·5
	Mean — 29·79		Mean — 40·75
	Mean for the month 30·02		Mean for the Month 39°

Prevailing wind E. Depth of rain 0·68 of an Inch. — Evaporation 1·02 Inch. — Fine days 23 in number. —

Since the 8th day a very fine and dry month, with remarkably high Barometer, and parching wind from the East. The lands becoming now very dry, and roads dusty. — Fevers and consumptive cases prevailed, with some instances of fatality. — Vegetation previously commencing, now recieved a timely and salutary check. —

March 1840.

Atmospheric Phenomena.

Day.	Barometer.	Atmospheric Phenomena.	Point and force of Wind.	Thermometer. Morn.g Early	At 8 A.M.	In the day.
Sunday, March 1.	30·51 ·51 ·50	Frost A.M. Clear and bright sun, very fine and drying, but piercing, cold and rough wind. — Evening and night very clear, and a brisk piercing blast continues. —	E 3. E 4. E 3.	27	29	38
Monday, March 2.	·57 ·56 ·58	Continued clearness and frost A.M. — Very bright day, and boisterous wind from Eastward & N.E. goes on. — Less cold than yesterday. Clear ☉ set, but cloudy night, wind brisk and a little snow.	N-E 2. NE 4. NE 4.	26½	29	45
Tuesday, March 3.	·51 ·50 ·53	Cloudy morning. Flying cumuli and sun in the day, and wind boisterous, with a continued dry time. Clear night, and the wind remaining boisterous. Very drying and cold.	NNE 2. NE 4. NE 4.	33	37	47
Wednesday, March 4.	·53 ·51 ·51	New Moon 4 morng. — Frost, boisterous wind, and sun; some cumuli. Bright and windy, cold and drying day. Evening clear, rather less wind. — The weather has been uniformly dry & keen for near 3 weeks.	ENE 4. ENE 4 ENE 3.	30	33	42
Thursday, March 5.	·50 ·50 ·51	Sharp frost A.M. — Very bright sun, no cloud, less wind, and rather warmer day. — Calm and very clear night, and sharp frost. The wind falling away causes the frost to increase.	E 2. E 2. E 0.	26	34	46½
Friday, March 6.	·52 ·52 ·59	Very clear, calm, and severe white frost. — A very bright and fine day, warm in sun, calm and beautiful, no cloud. — Night calm, clear, and sharp frost. —	NW 0. E 0. SE ½. E 0.	22½	28	51

The Atmospheric Phenomena of March 1840.

Day.	Barometer.	Atmospheric Phenomena.	Point and force of Wind.	Thermometer. Morng early	At 8 morng	In the Day
Saturday, March 7.	30·61 ·65 ·67	Very clear: sharp white frost A.M. Trees & all white. — Bright day, warm sun: no clouds. — a light breeze at times. Calm & clear — frosty night. the horizon beautifully tinted in purple and rose, opposite to the sun at rising & setting daily. —	NE 0. E 1. E 1. E 0.	23	28	51
Sunday, March 8.	·73 ·71 ·68 ·72	Severe frost, the whole landscape in hoar white, yet a clear morng. — Bright and serene day. some cirri: — mostly of the linear kind. — Very warm sun, keen air. — A dusky cloud apparently a stratus on the N horizon P.M. — Clear evening. — The Stratus from the N. came on durg night.	NW 0. NE ½. NE ½. NE 0.	22	30	51
Monday, March 9.	·69 ·64 ·62	A stratus, and the frost less since dawn. Fog decreasing, & at noon fell away to horizon, bright afternoon warm sun. The distant stratus visible on N.E horizon. Clear and calm evening, the frost more gentle than of late. —	N 0. NW 1. NNW 0.	24	35	53
Tuesday, March 10.	·44 ·39 ·34	Chiefly clear, haze below, & sun rose dim & red. Slight cirrocumulus seen. Fine & pleasant day, cumulus & cirrocumulus, the latter in lines from NW and SE. Sun between. — More cloudy after 3 pm. — much cirrostratus. Night cloudy and a breeze from North. —	W 1. NNW 2. N 3.	27½	37	55
Wednesday, March 11.	·32 ·37 ·41	Cloudy, little light rain, (the first for 25 days past) Fine after 10 a.m. and in the day but chiefly cloudy. Large cumuli & cirrostrati. Evening and night clouded with large cumuli and nimbi, a few drops falling. —	N 2. NE 2. NNE 1.	40	41	46
Thursday, March 12.	·32 ·31 ·28	Cloudy morng, dark cumuli & cirrostrati. clearer in the day, fine, pleasant, and sunny at times. Many dark & rugged cumuli, and beds of cirrocumulus in divided fleeces. — Calm evening white fleecy cumuli o'erspreading the sky. —	NW 1. NW 1. NW 0.	37	41	54
Friday, March 13.	·16 ·08 ·05 ·09	Fine & mild morng, cirrostrati, cumuli, & scuds. — very drying & fine day, chiefly sun, & warm. — the cirrus, cirrocumulus, & cumulus seen, & some cirrostratus. — Evening less wind, pleasant and mild. Delightful weather. —	WNW 2. WNW 3. WNW 1.	40	42	56
Saturday, March 14.	·11 ·12 ·72	Cloudy with broad cirrostrati, clearer from 10 till after 12, again more cloudy with undulating cirrostratus. Little rain 5 pm. Cloudy evening, calm, fine, & mild. —	NW 1. NW 2. NW 0.	40	42	51
Sunday, March 15.	·02 ·00 29·90 ·92	Cloudy with dark cirrostratus, this increased with haziness, dark and dense cumuli, and gentle rain at times, after 11 a.m, and most of the day. — Cloudy & calm evening little wet, wind to SW for a short time. —	NW 0. WNW 2. W 0. SW 0.	38	41	47
Monday, March 16.	30·17 ·25 ·33	Clouded with dark nimbi & hail & rain from E-ward, at 8 & 9 a.m. Fine and bright in the day, with large rocky cumuli. — Fine evening and night, fleecy cumuli & moon between.	ENE 3. ENE 3. NE 2.	38	40	47

A remarkably fine seed-time. ——

Day	Barometer	The Atmospheric Phenomena — in — March 1840.	Point and force of Wind	Thermometer: Morning early	At 8 evening	In the Day
Tuesday, March 17.	30·36 ·33 ·31	Cloudy with sun, various clouds. Fine day but cool wind, and clouds frequent. the large cirrostratus and cumulus. — Night partly cloudy. some wind & haziness.	N 1. N 1. N 2.	32	37	47
Wednesday, March 18.	·25 ·19 ·19	Cloudy and wind increased. Full moon 1½ am. Chiefly cloudy all day, and cold wind. — little light wet at 6pm, cloudy cold and windy evening and night, & still drying. —	N 3. N by W 3. N 4.	37	40	48
Thursday, March 19.	·30 ·33 ·38	Cloudy with sun. chiefly cumuli. and drying. keen wind continues. — More sun after 3pm. wind less, but very keen. — Fleecy cumuli & moon between — Evening.	NE 3. ENE 3. NE 1.	37	39	47
Friday, March 20.	·35 ·34 ·37	— Vernal Equinox. Equal day & night — Morning overcast. Cloudy, gloomy & unpleasant till after 2pm. & very cold and rough; clearer with some sun after 2pm. — Dense cirrostrati & cumuli prevailing before. — A gale at 5 & 6 pm from N. very cold, and the dust of the roads raised in volumes. —	SW 2. WNW 2. NW 4. N 5. N 4.	34	38	47
Saturday, March 21.	·38 ·43 ·42	Piercing gale and snow storms, sun between. — The snow was an inch deep at ☉ rise. Cirrostrati, cumuli, and nimbi. — Night finer, less wind, some clouds at times.	N 3. N 5. N 3.	28½	33	46
Sunday. March 22.	·33 ·29 ·20	Bright morning, and chiefly sun till 12. the flimsy cirrocumulus & dense cumuli seen, these very rocky at noon, more cloudy PM, with similar clouds. — Cloudy night nearly calm, a shower after 9 pm. —	NW 2. NW 2. NW 1.	31	35	49
Monday. March 23.	·04 ·10 ·23	Clear at ☉ rise. Some cirri. Overcast rain & much snow AM. 9 till after 10. Dense cumuli and nimbi with hail storms & snow through the day. Sun between. A gale came on PM. very cold and stormy. —	NW 1. N 2. NE 4.	33	36	44½
Tuesday. March 24.	·18 ·20 ·22 ·26	Cold and stormy, frequent squalls, with thick storms of hail and sleet. Black nimbi, dense cumuli, and sun between. — The white cir'stratus folding on the nimbus-crown. Storms of snow & frost dur. g night.	N 2. NE 3. NE (& 4.) 3	28½	33	43
Wednesday, March 25.	·37 ·40 ·41	Heavy snow with hail, chiefly all the forenoon, some sun, & same clouds as yesterday. — Afternoon stormy with snow at times. but rather finer than before noon. — Night more serene. —	NE 2. NE 1. NE 1.	28	32	43
Thursday, March 26.	·39 ·30 ·28	Cloudy little snow. Still cold and stormy. hail & snow showers, sun between, the cirrus, cirrostratus, cumulus & nimbus prevailing. — Bands of dusky cir'strati lying across groups of cumuli to SE, AM. The same again in SE, 6pm. — A beautiful ☉ set, the flimsy cir'strati & cumuli tinged gold & lake, & a yellow sky below. — A turbulent week.	N 2. N 2. N 1.	29	34	43

Day	Barometer	The Atmospheric Phenomena — in — March 1840.	Point and force of Wind	Thermometer: Lowest early	At 8 evening	In the Day
Friday, March 27.	30·22 ·22 ·25	Much clouded with dark undulated cirrostratus, in the morng, and dark cumuli and thick cloudiness all day, little sleet and rain at times. Overcast evening & light rain at times. —	N 1. NE 1. NE 1.	32	36	40
Saturday, March 28.	·20 ·12 ·04	Chiefly cloudy, and gloomy, with cumuli, and cirrostrati. A little gleam of sun, 2 & 3 pm. — Calm eveng, and night, parallel lines of cirrostratus in zenith, of dark and flimsy appearance. — calm atmosphere.	NNW 1. NNW 0. NNW 0.	34	37	45
Sunday, March 29.	29·87 ·85 ·88	Cloudy with cumuli and cirrostrati. little sun. A fine, calm, and pleasant day, more sun about 2pm. — Temperature risen 5° in an hour. — Cloudy and calm evening. — The lark tuneful and soaring to day. —	W 1. W 0. W 0.	36	40	53
Monday. March 30.	·95 ·98 30·00	Cloudy and nearly calm, somewhat pleasant. but the sun scarcely gleaming. — A fine but clouded evening and night. This day is the first of SW wind for above 6 weeks. —	SW 1. SW 1. SW 0.	40	43	52
Tuesday. March 31.	29·90 ·88 ·88	Cloudy, dark cirrostrati & cumuli. very little gleam of sun; overcast afternoon, and little light rain. Evening and night still overcast, and some rain at times. — Soft and mild atmosphere. —	SW 2. WSW 2. SW 1.	42	45	52

Conclusive Report, March 1840.

Baromr.		Thermr.	
Max on 8th	30·73	Max on 13th	56°
Min on 29th	29·85	Min on 8th	22
Range	0·88	Range	34
Mean of Extremes	30·29	Mean of Extremes	39
Mean of month	30·315	Mean of month	39·92

Prevailing winds NE, and NW to N. — Depth of rain only ·17 of an Inch; Evaporation 1·43 In. — Fine days 22 in number. —

This was a remarkably dry and fine month for seed-time. and the unusually high mean pressure being another memorable character of the month is equally worthy of record. — The temperature was nearly as low as the preceding March, but although cold it was a better and finer time than that. and the roads were dusty even from Feby 18th to March 20th 1840. —

Rheumatism, and common colds prevailing as usual at this season. The Primrose in flower Feb 7th and the violet white & blue — about March 17th. Daffodil also open on 28th or before. —

The Atmospheric Phenomena of APRIL 1840.

Day.	Barometer.	The Atmospheric Phenomena of April 1840.	Point and force of Wind.	Thermometer. Morng early.	At 8 morng.	In the Day.
Wednesday April 1st	29·80 ·75 ·78	Overcast and mild morng, little wet. Chiefly cloudy in the day, dark raggy cumuli and the white cirrostrati above them. — Cloudy evening and little showers 9 pm. Overcast night and the wind more to the SE. Growing weather. —	SW 0 S 1 S 1	41	44	50
Thursday April 2nd	·82 ·92 30·02	Bright with thin grey cirro-cumulus. A very fine, warm and bright day throughout, the ribbed cirro-cumulus, and linear cirrus in thin woolly compartments. New moon 3 pm. A fine night, but more cloudy.	E 2 ESE 2 ENE 3	39	45	58
Friday, April 3.	·13 ·13 ·14	Fine, bright, and drying day, sun warm, but wind colder than yesterday. The ribbed cirrocumulus extensive, and fleecy cumulus below. Evening chiefly clear, dense cumuli passing off at 5, and less wind.	NE 2 ENE 3 NE 1	36	43	53
Saturday. April 4.	·07 ·03 ·06	Frost A.M. A fine bright, and serene day, cumuli, and lines of broken white cirrostrati. — Wind veered to SE at 6 pm. & to SW before 8 pm. many clouds of various kinds, and of singular appearance.	N 0 N 1 SE 1	28	38	55
Sunday. April 5.	·09 ·09 ·04	Frost early A.M. A very bright and warm day, small cumuli, and white cirrostrati, but the sun seldom hid. — Cowslip partially in flower. Beautiful calm, warm, & serene evening. — Many clouds, a mixture of cirrostrati, cumuli &c &c.	WNW 1 WNW 2 SW 0	32	43	62
Monday. April 6.	29·90 ·75 ·65	Sun rose clear & red, a stormy sky, all day, but fine, and chiefly sun, with drying wind. — All clouds from linear cirri to small nimbi. — Some hail & a few large drops 2 pm. — Clear eveng, bright moon.	SW 3 SW 4 W 2	37	47	59
Tuesday. April 7.	·62 ·70 ·84	Frost A.M. — Day chiefly sun & fine on the whole, many cirri - cirrostrati, & cumuli. — Light nimbi and few drops P.M. — During the night very stormy, sleet & rain in beating showers, and squalls of wind.	N 2 N 2 NE 4	31	41	56
Wednesday April 8.	30·05 ·12 ·20	Stormy, windy, hail at times, dense cumuli and nimbi. Intervals of sun shine. The nimbi of small extent. — Hawthorn leafing. — Evening chiefly clear, and cold. Wind less. — Light showers during night.	NNE 3 NE 3 N 2	37	42	51
Thursday. April 9.	·29 ·35 ·41	Large cumuli in huge groups, sun at times, cool winds, and drying weather. Fibrous cirri in West 6 pm, and lines of cirrostrati at 7 & 8 pm. Clear night and cold. —	N 2 NNE 2 N 1	33	43	51
Friday. April 10.	·45 ·42 ·42	Frost early. At ☉ rise, much cirro-cumulus in extensive beds of roundish white compartments and parallel ribs. — Temperature increases. Very bright, calm & warm day, beds of cirro-cumulus in dots on the blue, a few small cumuli. Sun set in hazy cirri & cirrostrati. Fog at 10 pm, cold night.	NNW 1 NE 0 Variable 0 ESE 1	30	44	61

Day.	Barometer.	The Atmospheric Phenomena of April 1840.	Point and force of Wind.	Thermometer. Morng early.	At 8 morng.	During the day.
Saturday April 11.	30·35 ·22 ·19	Sharp frost early, but a great change since. A very bright and warm day, a few linear cirri only. — Evening chiefly clear, and a breeze from South continues as set in soon after sun rise. — A remarkable rise of Temperature since dawn.	S 0 SW 1 S 2 S 2	27	47	62
Sunday April 12.	·14 ·12 ·10 ·08	Fine & mild morng, a screen of cirrostrati & cirrocumuli across the East in lines & dots of white passing up from East, across the lower current. A beautiful day, warm & chiefly bright. Fleecy cumuli passing. Clear eveng, wind more E. —	SSW 1 SSW 1 SE 1	37	47	62
Monday, April 13.	·05 ·00 29·95	Chiefly bright with a pale haze & halo about the sun. — A very fine, and warm day, less haze after 11. Some cirri & cirrocumuli, and bright sun. Clear eveng & night. — At 5 pm the cirrocumulus in white dots near the sun. —	ENE 1 E 2 E 1	32	47	66
Tuesday April 14.	·91 ·92 ·96	Very bright sun, serene, calm, and delightful. A very bright and warm day. In the eveng some cirri and cirrocumulus in white filaments and dots. — Clear night.	E 0 SE 2 SE 1	32½	50	67
Wednesday April 15.	30·03 ·05 ·11	Very bright, calm, and beautiful, so continued all day except that a little more wind occurred after noon; a very hot day for the season. The knotted cirrocumulus prevailing, and some cumuli settled to N. at noon, with the white cirrostratus folded over their crowns. Clear night.	SW 0 SSE 1 SE 1	34	53	72
Thursday April 16.	·17 ·19 ·25	Clear, calm & beautiful morng, the cirrocumulus in ribs and dots or knotted detachments. Very bright and very hot day, causing all nature to open fast. Clear eveng but a dark haze below in N.W. horizon, and a breeze. Full moon 8 pm.	WNW 0 NE 1 N 2	38	54	73
Friday, April 17.	·31 ·27 ·24	Good Friday. Bright, and parching gale at NE and E. — Linear cirri, but bright sun all day. — Clear evening, less wind: very fine and drying Spring weather.	NE 3 E 3 E 2	38	50	62½
Saturday April 18.	·13 ·08 ·10	Very bright all day, and hot in the sun, still uniformly dry and clear. — A few cirri. Sun set in golden splendour, a very clear, calm, and delightful evening.	NE 2 ENE 2 ENE 0	34	50	67
Sunday April 19.	·00 29·97 30·00	Easter Day. Very bright and hot sun, continued drought and serenity. — A few small cumuli from the fog which cleared off early, the trees so wet in the morning from the fog, as to wet the earth under them like a shower. — The cumuli lay in the West only. — A very clear day, eveng, & night. Horse-chesnut & Sycamore in leaf, and the Willow opening. — The hawthorn full-leafed for some days past. — Cowslips becoming full blossomed.	N 1 N 2 NE 2	37	51	67

The Atmospheric Phenomena of APRIL 1840.

Day	Barometer	The Atmospheric Phenomena of April 1840.	Point and force of Wind	Thermometer: Lowest early	At 8 morng.	Highest state
Monday April 20.	29.96 ·94 ·98	Very bright, and hot in the day. many cirri both linear and curled, but the sun unobstructed. — Small cumuli from W. 5 pm, and dusky cirro-cumuli & haze at ☉ set. Calm and pleasant night. —	NW 2. NW 2. W 0.	35	50	70
Tuesday April 21.	30.10 ·14 ·17	Grey clouds over all till near 10 am, a fine day very warm; cumuli and sun after 10. — groups of dark blue cumuli all the afternoon sun at times. Dusky cirrostrati and a soft atmosphere to night, without dew.	WNW 1. W 1. WSW 2.	40	52	67
Wednesday April 22.	·23 ·33 ·38	Soft and warm morng: close and sultry day the wind veering round from W to SE, by the N, or by way of the North. Dark cirrostrati & cumuli; and but little sun. Cloudy evening wind veered again to Southward. —	WNW 1. NW 0. SE 1.	50	57	67
Thursday April 23.	·38 ·37 ·39	Cloudy morng, cleared at 8, a very hot day, and chiefly bright sun, with cumuli clouds All nature putting on a verdant appearance. Calm, clear, and warm eveng, 8 pm Thr 56°. —	SW 1. WSW 1. SW 0.	48	60	75
Friday April 24.	·37 ·32 ·30	Very bright and hot, with cumuli clouds. Uninterrupted clear skies, and uncommon heat for the season. A rose-coloured sun-set, and at 8 pm. Temp 57°. The effects of the drought are becoming apparent.	SW 1. S 1. SE 1.	43	58	74
Saturday April 25.	·28 ·27 ·28	Very bright and great heat. No cloud all the day, but unprecedented heat, and brightness for this season. All the vegetable creation is opening rapidly. Therm by 9 AM was 68° and at 8 pm 58°. Clear night, except a haze in NW. —	SE 1. SE 2. SE 1.	47	62½	79
Sunday. April 26.	·33 ·36 ·40	Very bright and hot, a haze as of fog in the W. and NW horizon at 8 & 9 a.m. — Thermr at 9 — 66°. Excessively hot through the day, the sun scorching. A few small cumuli after 2 pm. a calm till 4, then a light breeze NE. — 8 pm. Therm 59°. ☞ The intense heat of the weather is beyond any on record here at this early period !! — Clear and serene night, red sun-set. —	NW 1. NW 0 NE 1. One Thermr near 81 to day.	44	62	80
Monday. April 27.	·42 ·40 ·40	Very bright and hot, with a breeze so as to be less intense than the last 2 days' heat. No clouds except a train of cirri at 4 pm passing over to W at 6 pm. — Very clear & golden sun-set. Clear night. —	NE 1. E 2. E 1.	44	60	74
Tuesday, April 28.	·38 ·37 ·33	Very bright sun, and no cloud. Excessively hot and even scorching — with very little wind. — At sun-set a hazy range of collapsed cirrus on W-horizon. A very clear sky elsewhere. — One of my Thermometers was bordering on 80° at 2 pm. — Two others hanging together gave 79½° as in the column here.	E 0. ESE 1. & 0. — SE 1.	42	61	79½

Atmospheric Phenomena APRIL 1840.

Day	Barometer	Atmospheric Phenomena April 1840.	Point and Force of Wind	Thermometer: Lowest early	At 8 morng	Highest state
Wednesday April 29.	30.31 ·34 ·35	Very bright sun, and extremely hot, with very little wind. — No cloud till a few small cumuli appeared floating in SE from the SW, — at 2 & 3 pm. One Thermr near 80° in shade. — Sun set very red & in blue cirrostrati. The wind again to E at 4 pm. —	SW 0. WNW 1. NW 0. S 1. E 1.	48	64	79
Thursday April 30.	·33 ·36 ·41	The white cirrocumuli & cirrostrati with some cirri this morng: A fine day & very hot, yet more moderate than of late. Chiefly sun, with cirrostrati, and cumuli. — Night cloudy on all sides, but still no signs for rain, — yet a change to cooler weather is foreshewn by the grey clouds from NE in parallel layers. —	NW 1. N 1. NE 1. S 2. —	44	59	75

Conclusive Remarks for April 1840.

Barom.			Thermom.		
	Max on 10th	30.45		Max on 26th	80°
	Min on 7th	29.62		Min on 10th night	27
	Range	·83		Range	53
	Mean	30.02		Mean	53.5
	Mean of month	30.148		Mean of month	51.86

The winds nearly equally distributed, but from NW to E. rather prevailed. — Evaporation 4.01 Inches, Rain only ·08 of an inch, and the number of fine days equal to 29. —

The uncommon heat of the latter part of this month will long be remembered, for we find no other instance on record, of so great heat at this early period of the year. The continuance of violent drought also throughout the month is a striking feature of this period. — The constant brightness and clearness of every day after the 11th especially, combined with a very high Temperature brought on all verdure in haste, causing the landscape at once to flash into Summer-beauty, and constituting the earliest Spring for 18 years past! — Cowslips in full flower in the middle of the month. Most trees in full leaf about the 23rd day, and the Oak, Ash, and Elm, the latest of trees began to open before the 30th some having unfolded their foliage, and the Haw- or May-thorn partially shewing its open flowers on 29th & 30th! This is very remarkable, but such was the consequence of Summer heat in April 1840! — All nature 3 weeks earlier than in most years, and five earlier than 3 years previous to this. — But there is complaint respecting the drought, the effects whereof are now becoming great in many parts of the country! The usual Vernal disorders prevail, but nothing of much import. —

The Atmospheric Phenomena of May 1840.

Day	Barometer	The Atmospheric Phenomena of May 1840.	Point and Force of Wind	Thermometer: Lowest Early	At 9 morng	Highest State
Friday, May 1st.	30·42 ·40 ·41	Some cumuli in the morng a very fine and hot day, with a cooling breeze, and clearest sky. After a clear sun-set, a cloudy night, and some fog.— New moon after midnight.	NE 1. NE 2. NE 1.	45	58	70
Saturday May 2nd.	·42 ·39 ·35	Fog till 7 am; cloudy till 9. bright and hot day, some cirri, and a pale blue haze with electrical smell. Much cirrus in various forms this evening. some reddened by the ☉ set.	NE 1. E 1. ESE 1.	45	57	74
Sunday. May 3rd.	·30 ·28 ·27	Bright and hot, some blue haze, and cirrus in soft collapsed curls or undulations.— At 6 pm, I observed parallel streaks of a dusky hue in ESE, as of fog from the sea. Clear night.	ENE 1. ENE 2. ENE 1.	42	63	73
Monday, May 4.	·25 ·22 ·17	Clear morng and the day very bright; some white cirro-strati on S horizon, and a brisk cooling breeze from ESE.— Much cirrus in large and loose ranges in the S. at ☉ set, red with twilight.	ENE 2. ESE 3. E 1.	42	60	66
Tuesday, May 5.	·03 ·01 ·01	The cirrocumulus in white dotted trains followed by haziness, and broad cirrostrati of thin appearance, during forenoon. Partial sun-shine and very warm; a haziness in broad converging streaks to SE, with confused beds of cirri and cirrocumuli over most of the sky. Dark cirrostrati undulated and in parallel bars with a few drops 7–8 pm.—	E 1. E 2. E 2.	43	62	72
Wednesday May 6.	·00 ·01 29·98	Overcast morng, cloudy till noon. general grey cloudiness. partial sunshine after noon, flimsy cumuli floating. Clearer with cirrocumuli gliding above from SW, across lower current. Cross currents continued—evening.—	N 2 N 1. NE 1.	48½	52	66½
Thursday May 7.	·88 ·87 ·84	Overcast and gentle rain at ☉ rise, and at 7 am. The first shower for many weeks. After 8 am a fine warm day, large loose cumuli, & some sun. The cumuli to day were thin & grey. After 4 pm, calm & sultry, thick haziness, & dark cirrostrati and cumuli of great density. The wind back again whence it had veered.—	ESE 0. WSW 1. W 0. SE 1.	46	53	67
Friday, May 8.	·80 ·80 ·78 ·74	Clear ☉ rise, followed by thin cumuli & scud. Hot sun at times, with charming showers. A heavy one at noon for near 30 minutes. The sky afterwards presenting a rich variety, from cirrocumulus to Nimbus, cumuli of dense & rocky structure; and white cirrostrati intersected the Nimbi-crowns. A warm steam arose from the long-dry earth—after the shower. Fine with sun at times till 5 pm. a very black Nimbus cloud with lightning, violent thunder and hail, passed across the W to N at 5 pm.— Cloudy, close & showery evening.——— Delightful showers after the long heat and dryness of the Spring.———	SW 1. SSW 1. S 1. S 0. SE 0.	50	60	68

The lilack now in full flower, and the laburnum with other shrubs early opening! A very early Spring.—

The Atmospheric Phenomena of May 1840.

Day	Barometer	The Atmospheric Phenomena of May 1840.	Point and Force of Wind	Thermometer: Lowest & Early	At 9 morng	Highest State
Saturday May 9.	29·66 ·64 ·60	Very cloudy with rain at times during the morng. Finer after 10. Clearer afternoon sun at times, cirrus, cirrocumulus, & cumulus prevail.—7 pm. much cirrus ramifying in zenith, and dense raggy cirrostrati about. A dark nimbus on the WSW horizon.—	SE 1. SE 2. SE 1.	51	54	68
Sunday, May 10.	·50 ·49 ·58	Steady rain from 3 am, till 7 am.—Cloudy till after 10.—Fair and hot day, cumuli, cumulostratus, cirrostratus, and sun at times.— Forcing weather for vegetation.—Cloudy, calm & warm eveng. dense cumulostrati between 6 & 7 pm. A stratus came on at 10—from WNW. Th. 55°.—	E 0. SE 1. SW 1. W 0. var. 0.	49½	56	73
Monday, May 11.	·62 ·67 ·77	Overcast and gentle rain at times till 10 a.m.— Very cloudy all day. Gloomy & cooler; but no rain after 10 am.— Evening and night cloudy, and wind bearing Eastward, Bar. rising.—	NE ½ N 1. NNE 1.	51	52	58
Tuesday, May 12.	·80 ·82 ·83	Cloudy morng little sun, a mixed variety of the modifications.—Very cloudy all day, and no sun.— The clouds more dense this evening shews for rain, and the wind brisker.— By contrast after the hot weather, it feels cold now.	ENE 1. E 1. E 2.	48½	52	57
Wednesday, May 13.	·81 ·82 ·80 ·80	Overcast and rain at times, most of the day. very gloomy, but the rain acceptable.— After 4 pm, the clouds began to clear off.— From near 6 to 7 pm—a complete change in the sky. Dense Nimbi veiled the S. SW. W. & NW. with violent thunder at a distance. Mottled and serrated cirrostrati about the East in clear blue sky. Rugged nimbi-heads southward tinged gold and rose.—These moved in a SSW current, & not with the wind below. A stratus 9 pm	E 1. SE 2. SE 1. SE 1.	48	52	58
Thursday, May 14.	·80 ·73 ·69 Thunder S.—2 pm.	A stratus during past night, cloudy morng cleared at 9. Chiefly bright and hot, with cumuli & cumulostrati, cirro, cirrocumuli & cirrostrati above them.—Nimbi after 2, & a little shower.—Sultry eveng, and many dense cumulostrati &c.—At 10 pm—silvery cirrostrati in strips and trains of knotted cirrocumuli by moon-light! A beautiful scene. Thermr 57°.—	SW 1. S 2. SSE 1.	46	56	73
Friday. May 15.	·50 ·48 ·50 ·51	Steady rain from dawn till near 11 a.m, from SE; afterwards a gale from SW, and rain in showers, with little sun. A mixture of stormy kinds of clouds.—Heavy rain from 4 pm—nearly all the evening, and a stormy night. Exceedingly pluvial state of clouds.—very black about S. this eveng.	SE 1. SW 4. SW 1. SW 3.	52	56	60
Saturday, May 16.	·48 ·46 ·46 ·48	Cumuli, scuds, and windy state of atmosphere some sun.—**Full moon** at noon. A fine day & chiefly sunny with us, but Nimbi passed around and one with lightning & thunder, close by to W at 2 pm.—All modifications prevailing.—Grand piles of the cumulostratus cirrus &c.—Dense rocky nimbi on SW horizon at ☉ set.— The abundant showers of this week have come at the most suited crisis!	SW 3. SW 2. SW 2.	50	55	66

The Atmospheric Phenomena of MAY 1840.

Day	Barometer	The Atmospheric Phenomena of MAY 1840.	Point and Force of Wind	Thermometer: morng early	At 9 morng	Highest State
Sunday, May 17.	29·50 ·50 ·52	Scuds, cumuli & nimbi, cirrostrati lying across, frequent showers P.M., and continued thunder distant to S. SW. & W. — Very unsettled and stormy atmosphere, yet soft & growing weather: — 8pm Thr 51°. The clouds show an upper current to N.W. —	SW 2. SW 2. SW 1.	47	58	63
Monday May 18.	·69 ·80 ·95	Overcast & foggy morng; a very rainy day from before 10 till after 4: — but chiefly rain. — Clearer eveng, some sun, the clouds breaking off. — Fine eveng, some large loose cumuli, and the flimsy cirrocumuli above. 8pm Thr 50°. —	W 1. NW 1. NNW 1.	49	52	55
Tuesday, May 19.	30·14 ·25 ·27	Overcast, little drizzle early A.M. — very cloudy all day, the sun only just gleamed twice near noon, and 3pm: but no rain in the day. — Eveng & night chiefly clear. 8pm Thr 44°. —	N 3. NNE 2. NNE 2.	47	50	57
Wednesday, May 20.	·11 ·10 ·13 ·14	A stormy atmosphere, sun-shine cirrus cirrocumulus, cirrostratus, cumulus and wind. — Nimbi passed after 2pm, gales & showers, sun at times. — This day although sunny about noon, and a drying air, is a remarkable reverse to the weather a month previous. — Boisterous & very cold to the feelings this eveng. — A train of cirro-cumuli from NW to SE, and raggy cumuli & scuds yellow with the setting sun. — Thr 8pm 43°! —	NW 4. NNW 4. NNW 4.	38	52	62
Thursday. May 21.	·18 ·27 ·28	Boisterous gales, & frequent storms of hail, and rain, sun between. — Linear cirrus, loose cumuli & nimbi, the last-named in quick succession. Evening & night cloudy, but finer, and less wind. 8pm Thr 45°. —	NNW 5. NW 4. NW 3.	38	47	55½
Friday. May 22.	·37 ·42 ·44	Cloudy but fine morng; the clouds slowly dispersing yet after 2pm — chiefly sun, a fine drying day. Cool wind. — A white streak of cirrostratus across the E. to night. Golden sun-set. calm & clear. Thermr 8pm 43°. Frosty night.	NW 2. NW 2. NW 0.	44	49	58
Saturday. May 23.	·41 ·34 ·31	Hoar frost at ☉ rise, clear & calm. — Very bright and heat rapidly increasing as day came on. — The cirrocumulus at 11 and general cloudiness afterwards — chiefly dusky cumuli, close & hot: some sun. — Cloudy warm eveng. 8pm 57°. Night clearer & a breeze. —	SW 0. SW 2. SW 2.	35	61	70
Sunday. May 24.	·22 ·14 ·07	Sultry morng, a breeze and scuds, the white cirrostrati above them. — Clearer after 7 am. — A brisk wind all day & blowing warm to the feelings sultry with dusky cirrostrati & cumuli & little sun, and chiefly hazy. A few drops at 1, & at 7 pm. — Thr 8pm 61°. Rain at 8 & 9 with gales. This night is 21 degrees warmer than the 22nd night. —	SW 2. WSW 3. SW 3.	51	63	69
Monday, May 25.	29·86 ·82 ·84 ·97	Strong gales, very warm and cloudy morning: very boisterous with cumuli & scuds till 1 pm, then a Nimbus from N.W. driving shower, — afterwards clearer, chiefly sun after 3, and the cirrocumulus in silvery dots, with thin cumuli. — A beautiful white cirrostratus in the N, altitude 45° at 4½ pm, exhibiting undulations and porosity as of sponge. — Eveng chiefly clear haze near setting ☉. Thr 8pm 53°. —	SW 5. SW 5. WNW 4. WNW 3	56	63	66

The Atmospheric Phenomenon of MAY 1840.

Day	Barometer	The Atmospheric Phenomenon of MAY 1840.	Point and Force of Wind	Thermometer: Lowest morng early	At 9 morng	Highest State
Tuesday, May 26.	30·01 29·99 ·84 ·96	At ☉ rise, chiefly clear, overcast, with very dark cumuli, and scuds & little rain after 8 a.m. Continual light rain and generally overcast, through the day. Clearer eveng & fine, night quite clear therm 50° at 8pm. — A very growing season, and all nature in full splendour.	SW 1. various. 0. NW ½	46	53	55
Wednesday, May 27.	30·12 ·12 ·08	Bright sun, cumuli floating. A very fine & hot day, chiefly sun, the cirrocumulus white cirrostratus, and cumulus, a handsome sky. A close eveng, the cirrostratus and cirro-cumulus prevailg. — 8pm Thr 56°. —	NW 1. W 1. SW 1. S 1.	42	58	70
Thursday, May 28.	·02 ·00 29·99	Bright and hot; trains of Cirrocumulus in dots of white continually passing from SW. — Bright all day and very hot; and the knotted cirro-cumuli presenting a handsome sky, in its silvery dots on the blue. A very hot evening 8pm Thr 65°. — A splendid ☉ set. On the NW horizon a line of Nimbi heads, a clearer space above them like a sheet of tarnished silver about ☉, and the cirrostrati in red lines above: these reflected the red on all the dense cumuli to the East, many compact & knotted clouds evincing tempest. — I heard thunder very distant to SE, 10pm. —	SW 1. SW 2. W 1. & 2. Elder tree in Flower!	47	65	75
Friday, May 29.	30·09 ·23 ·34	Cloudy with a shower near ☉ rise, cloudy till near 8. — A fine bright and hot day, cumuli & scuds at times. A light Nimbus to N, at 1½ pm. Eveng chiefly clear, golden sun set; a dark cirrostratus to NW of a short and loose form, & dark colour, appearing nearly as a square body of vapour, some red linear cirri.	W 2. NW 3. NW 1. 8pm 57°.	53	62	72
Saturday, May 30.	·44 ·44 ·43	Clear ☉ rise, a haze from 6 till 10, halo, parhelion, & inverted segment of a 2nd halo. — Bright & hot noon, and afternoon. — Cirrocumuli, cirrostrati, & cumuli. — Eveng chiefly clear, some cirri. — Thr 8pm 61. — Beautiful night. Real summer weather. — A dusky bank of clouds on NW horizon 9½ pm.	SW ½. WSW 2. WSW 1.	46	61	73
Sunday, May 31.	·45 ·43 ·39	New moon 7¼ am. — Thin cirrostrati & light scuds, a beautiful morng. — A bright and very hot day, cumuli floating. Clear and hot evening, the sun set in red haze. A few cirri also red. Thermr 8pm 66°! — A true summer night. —	WSW 1. WSW 1. SW ½.	51	67	77

Conclusive Remarks. May 1840.

Barom:
- Max on 31st — 30·45 Inches.
- Min on 16th — 29·46
- range — ·99
- Mean of extremes 29·95
- Mean of Month 29·99

Thermr:
- Max on 31st — 77°
- Min on 22nd night — 35
- Range — 42
- Mean of extremes 55·5
- Mean of month — 56·35

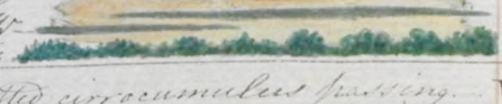
Prevailing wind SW. Rain 2·24 In. Evaporation 3·35. Fine days 20. —

This month has been a fine growing time with only a few days at all chilly: the greater part showery, with warm gleams, and at the end the return of very hot weather occurred. — The fields in highest beauty as also the gardens, and the grass & corn very rapidly getting up. — Some wheat ears were seen in Sussex. —

The Atmospheric Phenomena in JUNE 1840.

Day.	Barometer.	The Atmospheric Phenomena in JUNE 1840.	Point and force of Wind.	Thermometer Lowest morn^g early	At 9 morn^g	Highest state.
Monday. June 1st.	30·32 ·28 ·17	Very bright sun, and no cloud all day. extremely hot and oppressive. 8pm Therm^r 68°. & at 9 - 64°. - dark cirrostrati near the sett^g sun broken into knotted compartments: else a very clear sky, serene & beautiful night. — Dog rose in flower!	SW 1. SW 1. SSE ½.	53	69	82.
Tuesday, June 2.	29·93 ·88 ·91 ·96	The cirrocumuli in knotted divisions, trains of cirri, and all electric indications. Very hot and bright morn^g. Thunder heard soon after 8 am, in dark groups of clouds on SW horizon. Great heat till after 10 a.m. Th^r 77°. Thunder continual & loud. A shower & w^d veered. Showery till noon from broad cirrostrati & a skirt of the great storm which passed across the S. very black there & thunder till 1 pm. Afternoon clouded, some sun, & sudden coolness. 1 pm 64°. 3 pm 54°! Shower at 5, fine & clearer even^g. Th^r 52° at 8. or 16 under last even^g!	SW 0. NW 1. NW 3. NW 1.	55	74	77
Wednesday. June 3.	30·08 ·18 ·27	Cloudy, wind, & some sun, little rain at times. Flying showers, some hail, and sun between, with brisk breezes at times. — Very fine after 4 pm, the cirrocumulus, & cumulus prevails. — The clouds were very dense at noon & 2 pm. —	WNW 3. NW 2. NW 1.	47	55	65
Thursday. June 4.	·25 ·24 ·22	Chiefly sun, very fine and pleasant till noon, the cirrocumulus in white knots & cumuli below. More clouded after Noon, yet tranquil and warm. — Very cloudy even^g, & thick haze. Few drops.	WNW 1. WNW 1. Var. 0.	44	60	67
Friday. June 5.	·13 ·11 ·10	Very cloudy, and overcast, little wet in the morn^g, day fine; clouds & sun, cirrostratus & cumulus. The clouds in various currents. — Cloudy evening. Low scud. Th^r 8 pm 53°.	NE 1. SE 1. ESE 1.	49	53	67
Saturday, June 6.	·08 ·09 ·07 ·07	Some cirrocumulus this morn^g, sun & S^E breeze, a very bright day, no cloud, very fine, & drying breezes. — The white dots of cirrocumulus, & the serrated cir'stratus during even^g, and dark cir'strati, with cumuli heads rising in S & SW. — 8 pm Th^r 61°. Rain came on at midnight. —	SE 3. SE 3. ESE 2.	51½	66	71
Sunday. June 7.	·07 ·12 ·17	Whitsunday. Rain early till 5 am. — A very fine day, and very hot. Chiefly sun, with linear cirrus and cumuli clouds. — Fine serene evening - very clear & golden ☉ set. Therm^r 61° at 8 pm. — Calm & clear night. Great dew. —	WSW 2. WSW 2. WSW 0.	57	64	75
Monday. June 8.	·17 ·16 ·14	A few small compact cumuli early, approach^g to cirrocumulus. Clear ☉ rise. Very bright and hot day, some small cumuli P.M. — Calm till 1 pm, afterwards a breeze & change of wind, but still very hot & chiefly sun. — Clear ☉ set. Temp 61°. — During night, dark cirrostrati in divided portions continued to rise from SW. The cirro-cumuli also. —	SW 0. SW 0. SSE 2. SSE 1.	47	68	77
Tuesday, June 9.	·13 ·16 ·12 ·13	Much dark cirrostratus & cirrocumulus above it. Close morn^g, few drops 7 am. — Chiefly clouded through the day with the same modifications, & some drops of rain at times. — Gleams of sun, and very sultry and close. — Black cir'strati 6 pm - divided into dotted lines, & others fringed upwards like feathers on a quill. — Similar clouds at night. Th^r 62° 8 pm. — A most delightful, and early season, and true summer weather continually. — Birds very tuneful. Mushrooms found of considerable size.	SSE 2. SSE 1. SE ½.	55	65	70

The Atmospheric Phenomena of JUNE 1840.

Day.	Barometer.	The Atmospheric Phenomena of JUNE 1840.	Point and force of Wind.	Thermometer Lowest early A.M.	At 9 morn^g	Highest state.
Wednesday June 10.	30·11 ·10 ·09 ·11	A screen of cirrocumuli glided off to the East at 6 AM. leaving a clear sun-shine, very hot morn^g. the SW skirted by clouds (as represented below) at 8 am: cumuli followed in vast groups & a few drops fell. Cloudy with sun and a breeze afterwards. Chiefly cumuli clouds. Comparatively cooler than the morn^g. Cloudy evening and warm breeze. 8 pm Th^r 62°. — Fostering weather. 	SW 1. SW 2. SW 2 & 3. W 2.	57	70	73
Thursday, June 11.	·16 ·14 ·11	Bright morn^g. Knotted cirrocumulus passing. — A fine & very hot day, chiefly sun, cirrocumuli & cumuli passing. — A warm breeze. — Evening clouded with thin cirrostrati and very close & sultry. Therm^r 65° at 8 pm. Gathered mushrooms.	WSW 2. SW 2 & 3. SW 2.	50	65	75½
Friday, June 12.	·09 ·03 29·95	Cloudy morn^g & very sultry, some sun. Chiefly cloudy, with cirrostrati, & cumuli, and the knotted white cirro-cumuli above. Sun at short intervals, and very sultry air. — The ribbed cloud and dusky cirrostrati all the even^g. Th^r 63 at 8 pm. — Barom^r falling. Galy night. —	SW 2. SW 3. SW 3.	58	68	73
Saturday, June 13.	·95 30·17 ·23	Sun-rise fine, chiefly clear, & wind down, but after 7 it became cloudy with a gale at NW. this abated at 10 am - cloudy most of the day; more sunny after 1, Therm^r 63 at 12 - & 70 before 2 pm. — Warm & pleasant afternoon. Cumuli, cirrostrati, and cirro-cumuli. — A few drops several times to day. — Beautiful even^g, cirrocumulus in large divisions — 8 pm Th^r 57°. —	W 1. NW 4. NW 1. SE 1.	56	61	70
Sunday, June 14.	·16 ·08 ·05 ·02	Bright morn^g, the cirrus in thick bodies like masses of wool & hair. After 8 a bed of cirrocumulus, & dense cumuli sailing below. — Hot morning. Chiefly bright and very hot till after 1 pm, all modifications from cirri to cumuli. more cloudy & galy after 2, but still hot. White cir'strati tinged with prism colours to day. — Dense cumuli at 4½ pm. — Th^r 63° at 8 pm - Sun set clear beneath dark cirrostrati, orange & lake on upper clouds, and the East exhibited a sheet of coppery & rose tint, while the cirrostrati looked bright blue in that point, on the red haze. — A grand scene! —	SE 1. SW 2. SW 3. SW 3.	48½	68	77
Monday, June 15.	·11 ·09 ·02 ·02	Full moon 3 a.m. — A haziness from thin & broad cirrostrati about 8 & 9 a.m, and 1 pm, the rest of the day bright and very hot. Small cumuli floating. Cirrocumulus at times. — The sun-set chiefly clear. — Some cirrus & cirro-cumulus. — Therm^r 65° 8 pm. — Hot night. —	SW 1. SW 1. SW 1.	51	64	76
Tuesday, June 16.	29·93 ·94 ·92	Bright and very hot, cumuli flying, cirro cumuli above. — The day throughout very hot, and chiefly sun; cirrus, cir-cum^t. cir-strat^s. & some cumuli. — Brisk breezes at times, wafting puffs of heat. Thin haziness all the evening and dark cirro-strati. Th^r 8 pm 64°. —	SW 2. SW 3. SW 2.	55	69	78
Wednesday, June 17.	·84 ·87 ·87	Dense nimbi and rain at 7 a.m. afterwards fine with hot sun, and flying cumuli. — Windy sunny & very warm day, cumuli clouds, & cirri above: — A nimbus passed to SE at 6 pm 4 miles distant, discharging a shower, and other in the same point very black after 7. — Th^r at 8 - 60°.	SW 3. WSW 3. WSW 3.	58	64	72
Thursday June 18.	·89 ·95 30·02	Flying cumuli, cirrostrati, and small distant nimbi, with bright sun at times, and wind boisterous all day, — but fine here. — Less wind at eve. 8 pm Th^r 59·5. — 9 pm - a large Meteor passed to S.	SW 4. SW 4. SW 2.	51	62	68

Atmospheric Phenomena in — JUNE 1840.

Day.	Barometer.	Atmospheric Phenomena in JUNE 1840.	Point and force of Wind.	Thermometer Lowest early	9 morn	Highest State.
Friday, June 19.	30·04 29·93 ·98	A bed of cir-cumuli soon hid the rising sun, then a general cloudiness with cir'stratus & scud, and rain from 9 am to 1 pm, chiefly gentle. — Finer P.M. sunny eveng, the cir-cumuli cir'stratus, & scud. — Brisk warm breezes all day. — Thr 6 pm 62°. — clearer night; 8 pm 59°. —	SW 3. SW 4. SW 3	51	57	62
Saturday, June 20.	30·09 ·22 ·30	Chiefly bright with flying cumuli, various cirri early. — A very fine day, and hot. Wind fallg away as day passed. — Clear ☉ set. Thr at 8 pm 60°. — Some cir'strati followed. —	W 3. W 2. W 1.	51	63	72
Sunday, June 21.	·28 ·21 ·08	— Summer Solstice, Longest Day. — Thin fleecy cumuli, cirrostrati & cirrocumuli, sun at times. Clearer after 1 pm, very hot and fine day. — After 3 pm — quite clear except the cirro-cumulus in white dots, in small ranges. 8 pm Thr 67°. Great electrical indications, a handsome sky. The cirrocumulus, and cirro-stratus with black & dense knotted clouds, & also white headed cumuli. Distant lightning.	SSW 2. SSW 2. SSW 1.	48	65	75
Monday, June 22.	29·91 ·87 ·84	Nimbi and showers early, after 7 am — clear at times, but many clouds continued from cirrus to cumulostratus, and at 4 pm — a ribbed cirro-cumulus presenting curved ribs, or nearly semi-circles in parallel order SE. 8 pm Thr 59°. —	W 3. WSW 2. W 1.	55	65	70
Tuesday, June 23.	·78 ·77 ·77	Fine morng, various clouds, chiefly sun, during most of the day, small nimbi & few drops. All modifications from cirrus to nimbus. — At 6 pm — a thunder shower 10 miles to N.N.E. & wind veered towards it. Large drops at 7 pm, & variety of clouds. A fine & warm day on the whole with us. — 8 pm 55°.	WNW 2. WNW 2. NW 1. NW ½.	51	63	69½
Wednesday, June 24.	·85 ·93 ·98	Stormy atmosphere, cumuli with sun, and chiefly fine, occasional flying showers with some hail, from small nimbi. — Calm & serene evening, the sky exhibiting a general cloud in detached portions. — 8 pm Thr 53°.	NW 2. NW 2. NW 0.	46½	55	64.
Thursday, June 25.	30·02 ·04 ·06	Much ribbed cirrostrati, followed by the plane cirrostrati, cumuli, & nimbi, & several light showers. Very little sun, & after-noon — chiefly cloudy & little showers, with cool breezes. 8 pm Thr 52°. —	WNW 2. WNW 1. NW 1.	47	58	60
Friday, June 26.	·18 ·22 ·24	Calm, bright, & pleasant morng: a very fine, beautiful, warm, & pleasant day, sun at times, cirrocumuli, cir'strati, & cumuli. Close eveng, Thr 60° at 8. — A dense & dark range of cumulostratus passing N-ward.	NW 0. NW ½. NW 0.	45½	61	71
Saturday, June 27.	·25 ·23 ·22	A blue haze clouded the whole sky in the early part of this day, close morning. A yellow tinge where the haze tended to separate. — Hot and sultry day, sun at times, cirrostrati & cumuli, with blue haze, and cirro-cumulus above. — Dark blue clouds in the eveng. Thr at 8 — 63°½. — A singular cirrostratus at 4 pm in S, of an elliptical form & dense body, it kept its place & form for an hour! — Chiefly dry and warm for some time past, with trifling intermissions. —	NW 0. NW 1. W ½.	55	63	73
Sunday, June 28.	30·17 ·15 ·20	Cloudy and close all the morng & till noon, very little sun, little sprinkling shower at 12, clearer P.M., large cumuli & sun, cirro-cumuli & cirrostrati above. — Wind more to N. at 4 pm & yet hot. — Evening cooler, and chiefly very cloudy, Thr at 8 pm 56°. — Night cloudy. —	NW 1. NW 2. NE 1.	57	63	72
Monday, June 29.	·18 ·16 ·18	Cloudy till noon, nearly calm. A little shower at noon, then clearer, cumuli with sun, and pleasant warmth. — New Moon 2 pm. — Serene eveng, Sun set nearly clear, some cirrostrati. Thr 60°. 8 pm. — Night partly cloudy. —	E 1. SE 1. SE 1.	49	60	68
Tuesday, June 30.	·10 ·06 ·03	At 4 morng, sun red between plane cirrostrati, & a beautiful train of white ribbed cloud passing over from SW till 8 am, bright and very hot morng, till after 9 am, Thr then 73°. cirro-strati followed with cumuli, scuds & nimbus, light showers & chiefly cloudy. — Fine & clearer evening, 8 pm Thr 63°. — Night in part cloudy, but fine and a little wind.	SW 0. SW 2. SW 1.	53	69	73

Conclusive Remarks, June 1840.

Barom^r.		Thermom^r.	
Max on 1st	30·32	Max on 1st	82°
Min on 23d	29·77	Min on 4th AM	44
Range	·55	Range	38
Mean	30·045	Mean	63
Mean of month	30·092	Mean of month	61·59

Prevailg wind SW. Rain only ·83. Evaporation 3·88 in. Fine days 21.

This was a very dry and warm month and highly salutary to the growing crops. — The fields generally looking well, & even luxuriant. The Dog-rose in flower as early as the first day. Wheat ears the earliest out for many years past, and the Elder blossoms spread themselves even before June came in, this being the earliest time since 1822. — During the month a great prevalence of sickness among children, particular those from infancy to 6 or 7 years old, great derangement of the whole viscera & digestive organs, loss of appetite, debility, and languor: — fevers & measles in the same age, — while adults complained of disordered stomach & bowels, affecting the head so as to cause vertigo, dimness of sight & confusion of ideas. But no violent complaints were noticed and deaths were few. —

JULY 1840.

Day	Barometer		Point and force of Wind	Thermometer. Lowest early	At 9 morng	Highest Note.
Wednesday, July 1st.	30·03 29·92 –·90 –·92	The ribbed cirro-cumulus during the morng, sun at times & cumuli & scud. more cloudy after 11, light rain at short intervals. Soft warm, and sultry air and brisk breezes. Cloudy evening and night, and Thr 61° at 8 pm. —	SW 2 SW 3 WSW 1	51	61	66
Thursday. July 2.	–·88 –·84 –·72	Cloudy with gentle rain, close and sultry air: Finer after 11 am, some sun, large low & dark clouds, cirro-cumulus above. Very warm day although chiefly clouded. Showery eveng and cloudy night. 8 pm. Thr 60.	SW 2. SW 2. SW 2.	55	61	68
Friday July 3.	–·57 –·57 ·61	Cloudy with cir'strati & cumuli, sun gleaming, windy & warm morng chiefly sun about noon, and for some time after: cumuli flying, and near 4 pm a nimbus with beating hail & rain. Boisterous & stormy, much cooler PM in proportion to morng. At 5 pm another storm of rain & hail. At night the wind again veered cloudy some wet. 8 pm 57°. —	SW 3. WSW 4. WNW 3 SW 2.	55	61	66
Saturday July 4.	–·84 –·97 –·92	Cloudy till near noon, fine & warm PM, cirro-cumulus, cir'stratus, cumulus & sun. — Pleasant afternoon; calm & cloudy eveng. black cir'stratus some undulated; and dense cumulostrati. Rain at 8 pm. Cloudy night yet fine. Thr 8 pm 59°.	W 1. W 2. SW ½.	52	55	68
Sunday. July 5.	–·77 –·77 –·81	Chiefly sun with cumuli clouds during the morng. In the afternoon, flying nimbi, trifling showers, but chiefly fine, cirrostrati, cumuli, & sun. — Long cirrostrati about horizon at ☉ set, in many points, otherwise clear, & a breeze. Therm at 8 pm 58°. —	W 2. W 3. SW 2.	54	63	68
Monday, July 6.	–·87 –·84 ·60	Bright morng, & chiefly fine and bright all day, cirro-cumulus, & cumulus, and some darker low clouds with a few drops at times. After 4 pm the dense knotted cirrocumulus came on. both dusky & white in zenith. Dark clouds this eveng Thr 57° at 8. Heavy shower at 9, afterwards clear. —	SW 2. SSW 2. SSW 3.	52½	63	69
Tuesday, July 7.	–·55 –·74 –·76 –·81	Flying clouds and boisterous from WNW to WSW, — windy with cirrostrati, cumuli & sun till after 1 pm. Nimbi with showers, and squalls of wind, Black with loud thunder SW and S. at 4½ pm & at 5, vivid lightning, & rain here from a skirt of the cloud. A stormy day with warm sunny intervals. 8 pm Thr 57°. Fine night.	W 4. W 4. WSW 3. W 2.	48½	58	67
Wednesday. July 8.	·88 –·86 –·83	Cloudy morng; cleared after 9, bright sun, with cumuli & cirrostrati, and the ribbed cloud passed over at 10. — Nimbi floated at a distance after 1 pm, a shower at 2 pm, but chiefly very fine, sunny and warm. — Cloudy eveng & again galy, little wet. Thr 57° at 8. —	WSW 2. W 2.&1. SW 2. SW 3.	53	61	70
Thursday July 9.	·87 ·98 30·04	Cumuli and sun. morng chiefly bright, little showers at noon, then bright with cumuli and cumulostrati. Many cumuli with cirrostrati all the eveng, Thr at 8 pm 58°. ——	W 2. WNW 2 WNW 2	50	60	69
Friday, July 10.	·06 –·04 ·02	Cloudy morng, sunny & hot at noon, with cir'cumi. Dark nimbi, cirr'strati and showers after 1 pm, bright intervals. Thunder to SE. — At 4 pm white cir'strati like quill feathers. Still and pleasant night. Thr at 8 pm 58°. — Rocky clouds on E horizon tinged coppery. —	WSW 1 WSW 1 & 2. W 1	48	60	68

JULY 1840.

Day	Barometer		Point and force of Wind	Thermometer. Lowest early in morng	At 9 morng	Highest Note.
Saturday, July 11.	30·01 –·05 –·06	Morng partly clear till 6. cloudy at times with warm sun-gleams, cumuli prevailg till noon, cir'strati & nimbi PM, with little shower at 2. — Cloudy more or less till night, Thr at 8 pm 56°. — A dark nimbus then passing in SW. —	WNW 1 WNW 1 NW 0	47	60	67
Sunday. July 12.	·04 –·06 –·06	Morng bright till near 8. cloudy more or less through the day, chiefly calm, but gloomy and cool. A shower at 11½ a m. — Banks of cumulostrati NE at 4½ pm — and cirrostrati across. — Cloudy and calm eveng, but cool. Thr at 8. 52°	NW 1 NW 1 NW 0	45½	56	61
Monday, July 13.	·06 –·18 ·25	Calm and fine morng, with grey clouds over the whole sky, little sun, more cloudy & showery after 9 a m — till noon, fine and bright afternoon, cumuli clouds. Clear and cool evening. Rocky clouds on SE horizon, tinged red. 8 pm Thr 55° but a change during night to warm serenity.	NW 0 NE 1 N 2. N 1.	48	55	66
Tuesday, July 14.	–·35 –·37 ·37	Clear and serene, the cirro-cumulus in ribs & dots passed to SE, at 9 a m, very fine and dry, and the sun generally bright. Cumuli only after 10 a m. — A hot and beautiful day. Hazy evening, but a perfect change to day. Thr 8 pm 59. — Full moon 5½ pm. Delightful weather. —	NW 0 WNW 1. W 0.	43 to 50	64	77
Wednesday, July 15.	–·35 –·32 –·30	Much thin & broken cirrostratus followed by cirrus. Chiefly very bright, and very hot. Calm eve, & linear cirrus general, & lying longitudinally, — parallel bars of cir'cumi across them. — Sultry and close. Thr 8 pm 67°. little wind after 9. ——	SW 1. SW 2. SW 0	52	67	79
Thursday. July 16.	–·26 –·15 –·09 –·08	At ¼ before 1 am, I observed from my chamber a beautiful train of white dotted cirrocumulus passg the moon in SE. — Clear elsewhere, Temp 61°. Much cirrocumulus continued in beautiful lines & round dots all the morng, a very hot and sultry day, sun at times, some haze & rich variety of clouds. At 6 pm dark cir'strati, some undulated, and the cirrocumuli above. — Close eveng, Thr 8 pm 65°.	SW 1. SW 1. WSW 0 WSW 0	54	68	77
Friday, July 17.	–·08 –·00 29·97	3 AM, clear & calm morng: Chiefly bright, with cirri, cirro-cumuli, cirrostrati, & cumuli, and at 6 pm some white silky cir'strati near ☉ presentg prism colours. Dark clouds, & wind with a little rain in the twilight. 8 pm Thr 60°. —	WNW 1 W 2. W 3.	50	66	72
Saturday, July 18.	–·84 –·89 –·90	Chiefly cloudy, sultry & close, very little sun, little light rain at times from low and dark clouds: the cirrocumulus above them. — Cloudy and sultry evening, little wet at intervals, Thermr at 8 pm 63°. —	W 1. W 1. W 0.	55	65	70
Sunday, July 19.	–·81 –·72 –·66	Sultry morng, hot breezes, chiefly sun, thin haze and cirrocumuli in silvery dots. — Thicker haze of a blue colour after 11 a m. cirro cumuli cirrostrati, cumuli & sun, very sultry, yet with brisk wind. Dark cir'strati & rain about ☉ set, Thermr 64° at 8. — Cloudy & close night. —	SW 2. SW 3. SW 2.	58	68	73½
Monday, July 20.	–·62 –·68 ·69	Bright morng & cumuli flying. Various clouds from cirri to nimbi through the day, bright at times & hot. Flying showers & squalls of wind. Cloudy evening, little warm breeze, continuing SW. — 8 pm Thermr 61°. —	SW 2. SW 2 & 3. SW 2.	52	65	71

Note — The rains have been so trifling that the pastures, corn-fields, & gardens now suffer from draught. —

JULY 1840.

Day	Barometer	JULY 1840.	Point and force of Wind	Thermometer: Lowest early A.M.	At 9 morn	Highest State
Tuesday. July 21.	29·70 ·73 ·80	Bright and hot, cumuli passing & cirrocumuli above. The day throughout hot and chiefly sun. Cumuli & some cirrostrati appearing. A squall with flying shower 5½ pm. rather cooler eveng, many cir'strati. Thermr 59° at 8 pm. White dots of cirrocumulus in zenith 9 pm.	SW 2. SW 2. SW 1.	54	66	75
Wednesday July 22. △♃♂.	·90 ·94 30·01	Bright morng; △♃♂, cumuli clouds passing, slight shower at 10½ am, afterwards bright and hot with cumuli. — Eveng very bright, cloudless, & sun set in full splendour, except a dark cirrostratus near horizon. Thr 57° at 8 pm. —	WNW 1. W 1. WNW 1.	51	65	72
Thursday. July 23.	·10 ·13 ·15	Cloudy with sun, cumuli & cumulostrati, very cloudy from noon till near 3 pm. a few drops, but chiefly a fine day, and some sun: dark cir'strati eveng. Thermr 57° at 8 pm. —	W 1. WSW 1. SW 1.	47	64	66½
Friday. July 24.	·16 ·14 ·08 ·09	Grey clouds, cirrostrati & cumuli, with sun: a fine and pleasant day, the cirrocumulus, cumulus, and cumulostratus, sun at times. Evening clouded generally, and very pleasant & warm. 8 pm Tempe 61°. —	SW 1. SW 2. SW 1.	53	62	71
Saturday. July 25. ☌☉♀	29·98 ·90 ·89 ·87	Cloudy, scud & cumuli below, & cirrocumuli above: warm morng, rain set in at 9 am, cloudy rain at times till near noon, fine & clearer noon, a dark cloud with charming shower 3 pm, afterwards again sunny fine & warm. Cirrocumulus & all kinds to dense cumulostrati. At 40 min past 5 pm. a very dark cloud passed over with a fall of rain, the drops of remarkably large size, each drop seeming like the contents of a small mug hastily dashed down! An extensive Nimbus then passing 3 miles E. with a tremendous shower. Thunder since 5 pm — to SW. ☌☉♀. Serene evening some dark cirrostrati. 8 pm Temp. 59°.	S 2. SSW 2. S 1. S 1. S by E 1.	55½	63	70.
Sunday. July 26.	·82 ·84 ·91	More or less cloudy & rain at times early: at 9 am steady rain re-commenced & continued till 11. Afterwards fine & close, sun at times, and dense rocky clouds. White cir'strati upon the crowns of cumulostrati. At 8½ pm a bank of rocky clouds on S.E. horizon & cir'strati across. The NW horizon clear: long dusky cir'strati above it. Temp 57°.	SE ½. E 1. E 1. ENE ½.	54	60	69
Monday. July 27.	30·03 ·07 ·08	Cloudy morng, clearer with sun after 8. a very fine day, close & hot, some sun, but chiefly cloudy with thin loose cumuli. It became quite clear at 4 pm: calm, warm & brilliant eveng, sun set in golden tints, a little haze & cirri near him. Temp at 8 pm. 61°. Clear night, little wind from E. —	NNW 1. NW 0. W 0. S to E ½.	54.	65	73
Tuesday July 28. New moon 9½ pm.	·16 ·20 ·24	Very clear & calm between 1 & 2 am. Thin cirrostrati came on after a clear ☉ rise. Cloudy more or less most of the day, very sultry, and little sun at times. The clouds chiefly dusky cumuli of loose form. — Evening & night clouded in the same way, calm and sultry. 8 pm Temp 64°. — Great signs, during these two days, for increase of heat, viz. the appearance of the small black fly on the walls & person, and the calm & close state of atmosphere.	SW 1. SW 1. W 0.	50	64	73

JULY 1840.

Day	Barometer	JULY 1840.	Point and force of Wind	Thermometer: Lowest early A.M.	At 9 morn	Highest State
Wednesday, July 29.	30·30 ·33 ·33	Before ☉ rise clouded as last eveng, cleared at ☉ rise; bright and very hot as day opened; — and the day throughout, bright with a few cirri & cumuli, — and nearly calm. Extremely hot P.M. cirri & cirrocumuli came on at 5 pm, & increased. — A breeze from SE. — Temp 63 — 8 pm. round cir'cumt at 9.	W ½. NW ½. SE 1.	54	69	82
Thursday, July 30. □♃♀ —	·24 ·19 ·17 ·18	Cloudy, much cirrostratus, both plane & undulated. A very hot and sultry day, chiefly cloudy, but more sunny about noon & till after 1 pm. — The cirrocumulus above, and dark cumulus in lower current. — A little shower 6½ pm, afterwards fine & clearer eveng, Temp 65 at 8 pm, very close & sultry.	S 1. SW 2. WSW 1. W 1.	57	65	78
Friday. July 31.	·25 ·30 ·31	Sun rose clear & red. dusky scuds & cirro strati followed till 8 am, warm & delightful morng: — A very fine sunny and hot day, with a pleasant breeze & light clouds, cirro-cumulus, and cumulus. Very clear at 6 and 7 pm, & at ☉ set chiefly so. A brilliant West. A few dark cirrostrati soon following & which increased and looked black at 10 pm, also dense cumuli of knotty forms. Thermr at 8 pm 60°. Very pleasant night. —	NW 1. NW 2. WNW 1. NW 1. SE 1.	52	65	73

Conclusive Remarks, July 1840:

Baromr	Maxm on 14th — 30·37	Thermomr	Maxm on 29th — 82°
	Minm on 7th — 29·55		Min. 13th night — 43
	Range — 0·82		Range — 39
	Mean — 29·96		Mean — 62·5
	Mean of month — 29·984		Mean of month — 61·25

Prevailg wind SW. Rain 1·22 In. Evaporation 3·66. Fine days 20. —

This month was changeable, yet in the Eastern & Southern Counties, remarkably dry, exhausting the rivers &c, and parching the meadows & gardens. for a general drought from Febo 11th is still going on in these parts, while Scotland has of late had much rain. —
The hay-crop with us was scanty, but well got up near the 15th day. The corn-crops look as a medium & are nearly ripe, and had not this month set in cloudy, we should long have begun harvest. —
The Orchard boasts little, but plums are plentiful, and the gardens have had a remarkably fine & abundant crop of currants and gooseberries which were ripe very early. The pastures yield but a scanty and seared morsel for the herds, and the ponds are dried up even with their mud!

AUGUST 1840.

Day.	Barometer.		Point and Force of Wind.	Thermometer: Lowest early.	At 9 morn	Highest State.
Saturday, August 1.	30·33 ·32 ·32	Clear morning, very fine, bright, and hot, with cumuli, some cirri like net-work 7 a.m, shewing parallel ribs, intersected perpendicularly by fine lines, all of white, near zenith. A very hot & sunny day, small cumuli only, and a brilliant ⊙ set, red haze below, & one cirrostratus just above horizon. 8 pm Therm 63°.	NW 1. W 1. W 0. during night	51 48	66	77
Sunday August 2. □ ⊙ ♃.	·31 ·31 ·32	Very fine and bright, with but few clouds, and excessive heat all day. Therm 84° for near 2 hours and at 4 pm 80°. The cirrocumulus & round cumulus passing at times. At 5 pm 77° – 6 pm 74° & 8 pm 69°. Very sultry & calm night. Some cirri passed at 7 pm – & became red with the setting ⊙ at 8. Broken cirrostratus about Sun.	W 1. W 1. WNW 1.	to 54	70	84
Monday, August 3.	·32 ·29 ·27	At 3 morn dark cumuli in knotted round forms, & the cirro-cumulus also gliding from W. Similar clouds till after 9 a.m, afterwards bright, and excessively hot, some cumuli & little wind. – Thermom 85° at ¾ to 3 pm: at 4 – 81°: at 5 – 77°: at 6 – 75°: – and at 8 – 68°. – Clear sky, sun set in full splendour. Therm in Sun to day 132°.	SW 0. W 1. W 1. W 0.	55	72	85
Tuesday, August 4. △ ♄ ♀	·29 ·29 ·28 ·29	Pure golden ⊙ rise, no cloud, & a calm. Very bright till 11, afterwards cumuli from N, excessively hot, and most so at 1 pm. One Therm nearly 86°. and at noon in sun 140°. Clouds increased after 1 pm, many large cumuli with fleecy fragments on various tacks. – Breeze from E, cooler even 8 pm Th 64°. – Sun set in red haze, and many undulated & barred cirrostrati of dusky hue – yet chiefly a clear night. Mist on the vales.	NW 0. Various. 0. NE ½ SE 1. E 1.	51	72	85½
Wednesday August 5.	·29 ·27 ·25	Fog till 8 a.m, of bluish white hue, cloudy forenoon, sun scarcely gleaming. Cleared at 12, bright and very hot afternoon, cumuli passing. – Very clear even, and night. Pure golden ⊙ set & twilight. Temp 64°.	E 1. E 2. E ½.	51	63	77
Thursday August 6. △ ♂ ♅	·19 ·19 ·18	Very bright and very hot morn; at 9½ a.m, a train of cirrocumulus, some round & others raggy, passing from SE by E. – Again quite clear & so continued all day, and very bright and hot, with a breeze, clear sun-set. Th 67°. Night chiefly clear.	E 2. ESE 3. E 1.	54	72	80
Friday August 7. △ ⊙ ♄	·16 ·18 ·22	Bright and hot morn, some cirri in various & handsome forms. Very bright day, and extremely hot with linear cirri distant, and a breeze wafting puffs of heat. – Extensive sheets of cirrus after 4 pm, & at 7, a row of it across S, in the form of ascending flames. {Therm in sun at noon 143°. 8 pm 65°. Mottled cir'strati about the moon.	E 2. E 2. & 3. E 1.	55	74	81
Saturday, August 8.	·27 ·30 ·33	Loose cumuli this morn, chiefly sun, and very hot. Very fine, and parching day, and very hot, although a brisk NE wind. Cumuli clouds, but mostly bright. – Sun set in full splendour, neither cloud nor haze. Th 62°.	ENE 2. NE 3. NE 1.	56	70	79

☞ This is the hottest week we have had for 5 years past, and the pastures are quite seared to whiteness, and every pond & rivulet dry. The trine of Jupiter & Mars on July 22d tended now to cause this, as the same aspect did in 1804. 1807. 1818. & 1819! And the other aspects above have now combined. Harvest commenced with this month and the season is highly favourable for it. although otherwise for the famishing herds. –

AUGUST 1840.

Day.	Barometer.		Point and Force of Wind.	Thermometer: Lowest early.	At 9 morn	Highest State.
Sunday, August 9.	30·38 ·34 ·30	Grey clouds early this morn, clear after 8, a very bright and excessively hot day, no cloud till 3, a few cumuli & cirrocumuli then passed from Westward; the lower current being contrary. Therm for 2 hours at 83° and at 5 pm 76°. In sun at noon 143. Some dusky cir'strati near setting sun, & cirri of flame colour. – 8 pm Th 66°. – Calm & soft night, chiefly clear, and some meteors passed to S.	NE 1. NE 0 E 1. (& ½) SE 1.	54	70	83
Monday, August 10.	·19 ·10 29·99	A stratus rising into cir'strati forming horizontal bands of fog across the tops of trees &c. – at ⊙ rise. – Calm, and oppressive heat, thin haze & cirrus, – but chiefly bright. Some cumuli at noon and some haze, but chiefly sun, and excessively hot. After 3 pm, increased haziness, lying in broad longitudinal streaks S to N, and covering the sky. Blue haze on the landscape. – Sultry even. 8 pm Th 70°. Continued haze. – Night the same. No star visible. 10 pm 66°.	S 0. SSW 0. SSE 1. SW 2.	51	73	86
Tuesday, August 11. ♂ ☿ ♀	29·74 ·68 ·66 ·68	At 2 morn, continued haze, and a dark range of the ribbed cloud SW. Very sultry atmosphere. – Little rain at times between 6 and 10 a.m, broad cir'strati and haze. Cooler since morn: – Chiefly overcast with rain at times, a mixture of clouds. At 3½ pm, a very large raggy nimbus from WNW, wd veered with it, the clouds whirling by attraction below it. A heavy storm at 4 pm. The clouds then passed off to the East with great blackness, and after 6 – a clear even, & ⊙ set. 8 pm Th 61°.	S 2. SSE 2. SSE 2. WNW 2. W 1.	62	61	66
Wednesday, August 12.	·70 ·71 ·71	Cirrostrati, cumuli & sun, chiefly fine sunny, & hot, various clouds from cir'cumuli to small nimbi, a few drops at times. Beautiful skies from 5 pm & all the even. Cirro-cumuli in dotted beds, and cumuli in black knotted forms, with undulated cirrostrati also black at 8. 9. & 10 pm. – Th 63° at 8 pm. – A warm breeze at night. –	W 1. W 3. SW 2.	51	65	74
Thursday, August 13.	·72 ·72 ·71	Full moon 7¼ a.m: Clear ⊙ rise, cloudy from 7 till 11 a.m, bright and warm afternoon with cir'strati, cumuli, and small nimbi about. – A few drops at 2 pm, from thin clouds flying. – Pleasant even, some cumuli similar to those of last night: & temperature near the same.	SW 2. SW 3. SW 2.	52	60	72
Friday, August 14.	·60 ·66 ·76	At 6 and 7 morn, a dark cloudiness on all sides, a mixture of undulated cirrostrati, dense raggy fragments of cumuli & cirro'cumi in dotted beds and mottled bands. Gloomy and black. – Rain began at 9 a.m. continued till 10, then bright and warm till 2, afterwards showery. The appearance of the clouds in the ESE horizon at 6½ to 7 pm. – Finer and clearer after dusk. – Night chiefly clear. –	Various. 0. SW 2 W 2. W by N 3. A storm at 7¼ pm – from a black cloud from W by N.	50	55	69
Saturday, August 15.	·84 ·85 ·96	Windy with flying cumuli, cirrocumuli, and cirrostrati: hot sun at times & chiefly fine till 2 pm, afterwards showery and many nimbi passing round. – Cirri at times seen. – Fine evening, chiefly clear, and a warm breeze. –	SW 3. WSW 3 WSW 2.	51	63	70

August 1840.

Day	Barometer	August 1840.	Point and force of Wind	Thermometer: Lowest early	At 9 morn	Highest state
Sunday, August 16.	30·03 ·01 29·97 ·94	Bright morng, some cirro-cumulus and after 8 the white cirrostratus and cumulus. A very fine and hot day, half sun shine. Many thin & woolly cirrostrati at 4pm, some horizontal, & others converging from zenith to SW & NE, and presentg the prism colours near the ☉: a handsome sky. some compact cumuli. 7 & 8pm - black clouds in rocky banks about the S horizon, black cirrostrati across their summits, & in various parts of the sky with dense rocky cumuli & every sign of storm. A general threatening sky. 8pm Thr 62°.	WSW 2. SW 2. SW 1.	52	65	74
Monday, August 17.	·57 ·46 ·31 ·32 ·43	An awfully grand sky at 5am. About the South, & SW horizon at this time a general blackness, heightened by white and red scuds flying along it, and up to zenith scuds, cumuli & raggy cirrocumuli tinged copper & blood red by the ☉ rising. - A great storm of wind & heavy beating rain followed from 8am & continued till noon, violent gusts & driving rain. Clearer after 12, a dark Nimbus at 1pm & hasty shower with squall. - Chiefly fine after 1pm, with strong gales, and distant Nimbi. Black with violent Thunder 6 miles to the E at 4½pm. - Stormy night. Hazy streaks from SW to NE. moon dim. - 54. 8pm. -	SSE 4. SSE 5. & 6. S 6. SW 5. SW 3.	55	60	63
Tuesday. August 18.	·30 ·35 ·43 ·51 ·72	Very stormy and boisterous morng, & rain early. - Day chiefly fine and sun at times, many flying clouds, cumuli & cirrostrati, dark raggy masses of cloud tending to nimbus, the cirrocumulus in ranges above. Strong gusts of wind till 2pm, then abating. - Evening cloudy and drying wind, but the force abating fast. - 8pm Thr 59°.	SW 5. W 5. 6. W 4. WNW 3.	50	57	68½
Wednesday, August 19.	·83 ·87 ·92	Storm ceased - a calm, warm, and cloudy morning - many cirrostrati of various kinds & dotted cirrocumulus. Close and sultry day, sun gleaming through dusky low cirrostrati. A very sultry & calm eveng & night, dark broken cirrostrati & cirrocumuli above. Thr 63° - 8pm.	SW 0. SE 1. SE 0. S 0.	51½	60	70
Thursday August 20.	30·08 ·06 ·11	Close & sultry, much cirrostratus & little wet during the morng. Extremely sultry & hot all day & chiefly cloudy, few drops at times; near noon some sun gleaming through a blue haze. Evening and night cloudy & excessively sultry Thr at 8pm 69° - at 9 - 68° & at 10 - 67½°. perfect calm. Black knotty cumuli all night. -	S 0. SW 0. & 1. W 0. Var. 0.	56	62	76
Friday. August 21.	·10 ·06 ·01 ·00	Thin grey clouds, and oppressive sultriness. Clearer after 8am, a very bright day, and extremely hot, but a breeze came on at 10am & somewhat allayed the heat. At 3pm some spongy cirri & cirro-cumuli glided over across the lower current. Darker cirrostrati rising in SW. which after 5pm opened in zenith, & presented a most beautiful bed of round knotted cirrocumulus of pearly white. 8pm Thr 67°. hot and close night and many trains of round cirrocumulus passing all night from SW, and the wind below continuing SE. - I observed the same beautiful sky, long after midnight.	SE 0. SE 1. & 2. SE 2.	63	75	81

August 1840.

Day	Barometer	August 1840.	Point and force of Wind	Thermometer: Lowest early	At 9 morn	Highest state
Saturday, August 22.	29·93 ·91 ·93	Many round dots of cirrocumulus, and in NE at 7am - a cirrostratus crowned with small dentated heads like battlement walls. - Hot morng. Very hot and sultry day, dark scuds after 1pm. some haze, the sun not very bright. - Clearer after 4. bright eveng, pure golden ☉ set, Thr 64°. - Much vivid lightning in NW, N, and NE horizon. Clear night, little wind, and several bolides. -	S ½. SSW 0. W 1. SW ½.	63	73	82
Sunday, August 23.	30·04 ·07 ·09	Bright and very hot day, some large cumuli from the distant tempest of last night. - Cumulostrati about N and E horizon, 4pm - & bands of cirrostratus across their crowns, a rich scene. Very black cumulostrati 8 & 9pm. to S & SE. 8pm 64°.	SW 1. SW 0. S 0.	53	67	76
Monday, August 24.	·13 ·10 ·12	Very bright, and very hot morng, some cumuli and cirrostrati after 10am, but chiefly sun and very hot through the day. - Sun set clear, some cumuli elsewhere. Warm and serene eveng. 8pm 63°. - Charming weather.	S 0. S 1. S 0.	50	69	78
Tuesday, August 25.	·12 ·08 ·05 ·07	Bright with some cirri. Chiefly bright and very hot, some broad sheets of cirrus, white cirrostratus, and cumulus, this after 1pm. - Brisk breezes after 2. - Dark cirrostratus & a Nimbus passed the W to N, 5 & 6pm. Cloudy & hot evening and night. Light breeze, and the temperature 65° at 8pm. - Close night. -	SW 0. WSW 2. & 3. SW 2.	47	69	78
Wednesday, August 26.	·12 ·16 ·19	Cloudy morng, slowly clearing, and very hot. After 11, very bright, calm, & extremely hot, a few small cumuli. Some larger cumuli & cirrostrati towards eveng, but the night very fine, chiefly clear, and warm, some Meteors. Temp 65·5 at 8pm. - Delightful weather.	NW 1. W 0. SW ½.	60	69	79
Thursday, August 27. ✱ ♃ ♀	·17 ·15 ·13	New moon 6¾ am. - A stratus clearing off at 8am, bright & hot till 9, afterwards clouded till noon. Bright and very hot afternoon; at 3 & 4pm - many cirri in ramifying streaks, & finely dotted cirrocumuli. Hazy eveng, many cirrostrati, and close eveng & night. 8pm 65.	SW 1. SW 1. SW 0.	54	68	74
Friday, August 28. □ ♄ ♀	·13 ·16 ·20	Close morng, many cirrostrati, some serrated or indented on upper edges. Calm and hot, and clearer after 10, gradually clearing till near 12, bright and excessively hot afternoon, some cirrocumuli & small cumuli. At ½ past 2. Thr Max 83°- & so contind near an hour. Scarcely any wind. 5pm 75° & 8pm 69°. - Dense cumulostrati Eastwd - during eveng & cirrostrati across them. Their crowns became red at ☉ set. - Bright beams of Aurora Boreales darting up after 8. - Night chiefly clear.	SW ½. W 0. W 0. Var. ½ & 0. -	57	66	83
Saturday. August 29.	·30 ·32 ·29	Pale blue fog or stratus all the morng, clearing after 7, became bright at ten, and a very hot and sunny day with a few loose cumuli. - Clear eveng & night. 8pm 64° - No wind. - Remarkably fine & delightful weather, the corn harvest now generally at an end. - The extreme heat of the weather for several weeks is worthy of more than common notice. No water to be had in many places and the pastures are seared, in spite of the little refreshment on 17th day. -	E 0 SE 1. SE 1. SE 0.	57	66	78

August 1840.

Day.	Barometer.	August 1840.	Point and force of Wind.	Thermometer. Lowest early.	At 9 morn.	Highest State.
Sunday. August 30.	30·24 ·24 ·26	Morn^g clouded with round grey cirrocumuli, gradually cleared till after 9. bright and very oppressive heat especially from 10 till after 12, then some cumuli & a little wind. The Therm^r at 80° before 12. & soon after at 84°! A remarkably hot day for so late in Summer. Calm & serene even^g, cloudy in West. became generally so after 9 p.m. Temp^r 64° at 8. —	SE 0. SE 0. SE 1. SE 0.	58	68	84
Monday. August 31.	·29 ·28 ·28	Cloudy till after 9. bright and very hot day, loose cumuli passing, with fresh breezes. Evening in part cloudy, yet warm & very pleasant. less wind. Temp 64 at 8. — Remarkably fine weather continues. — ☞ Thus ends the most beautiful month, & the hottest August known for many years! —	NE 2. ENE 2. ENE 1.	60	67	77

— Conclusive Remarks on August 1840.

Barom^r.	Max on 9^th = 30·38	Min on 18^th = 29·30	Range — 1·08	Mean of month 30·21	
Thermom^r.	Max on 10^th = 86°	Min - 25^th early - 47	Range — 39	Mean of month — 65·76	

Prevalent winds SW & W. Rain ·94 of an In. Evaporation 5·16 In. Fine days 27.

This was a remarkably hot and dry month in the Eastern and Southern Counties, and every pond, rivulet, & common Spring dried up. The pastures nearly barren, and the plains on heavy lands quite cracked from the drought. A very favourable time for harvest which was quickly and early finished almost generally within the month. The wheat proves better than was anticipated, and other crops fair, except beans and oats, which are a light yield. Apples are a scanty produce, but pears and plums abound. No considerable sickness, but languor and debility prevailed on account of the great heat for so many successive days. — So hot a month has not before occurred for many years. 14 days producing a temperature between 70° & 80° and 11 days between 80° & 90°! This was an extraordinary circumstance; and its equal in August is scarcely on record !! On several days the Thermometer was 143° in sun, and water in the sun at 3 ft elevation was heated to 100° on the 4^th day!

September 1840.

Day.	Barometer.	September 1840.	Point and force of Wind.	Thermometer. Lowest early.	At 9 morn.	Highest State.
Tuesday, Sept^r 1st.	30·19 ·10 ·06 ·00	Cloudy morn^g, cleared by 8, very bright and excessively hot through the day, no cloud hiding the sun, fresh breezes blowing in puffs of heat and very parching. On NW horizon some small cumuli near 1 pm. Therm^r 140° in sun at 2 pm! Pure golden ☉ set. Some tufts of cirrus tinged red in SW. these came over with some cirrostrati during night. — 8 pm Th^r 67°. & at 9 - 65°. — Extreme hot night.	ENE 1. E 2. E ½.	59	73	82
Wednesday, Sept^r 2^nd.	29·88 ·90 ·87 ·80 ·77 ·79	At 2 morn^g a train of black knotted cloud, little rain & distant thunder E, S, & W. at 5. — Clear after ☉ rise, very bright morn^g & most oppressively hot, so continued till after 12 afterwards dense cumulostrati, & some drops of rain. — Again clear after 3. but a gradual change taking place. — Many cirri. — Lightning in SE to night. Th^r 67 at 8. — Aurora in streaks.	SSE 1. SSE 2. S 3. SSE 1.	63½	76	84
Thursday, Sept^r 3^rd.	·68 ·81 ·91	Rain commenced early, and increased till 9, — continued more or less till noon: then cleared. Fine, and beautiful afternoon, chiefly sun, with cumuli. Clear even^g, golden ☉ set; and much cooler than for weeks past. — ☽ 10¾ pm. Clear and serene night.	SSE 1. SW 2. W 2. W 1.	58	60	67
Friday, Sept^r 4.	·92 ·92 ·93	Morn^g chiefly clear. — but clouds came on at 9, from cirrus to large cumulus. A fine day till after 3 pm, and some sun, but many various kinds of clouds. A few drops of rain after 3. Cloudy evening little wet, and a soft breeze.	S 1. SW 2. SSW 2.	47	59	68
Saturday, Sept^r 5. *☉♃	30·03 ·12 ·18	Clear morn^g: a very fine pleasant day, cumuli, cirrostrati, and cirri, and sun at times. The cirrocumulus in trains by moon-light at 8 & 9 pm. — Calm and pleasant night. — Barom^r rising. Very beautiful sun set in red lines of cirrostratus.	chiefly W by N 1. W 1 W 0.	49	60	70
Sunday, Sept^r 6.	·31 ·29 ·27	Clear morning and a very fine, bright, and hot day, small cumuli after 1 pm, & ribbed cirrocumulus, and at 4 pm. the sky covered by the same cloud in round white compartments, — which continued all the evening, with calm sultriness 8 pm 62°. Black knotted cumuli & hot night. —	W 0. W 1. W 0.	45	63	74
Monday, Sept^r 7. □☉♄	·21 ·16 ·15 ·16	Hot morn^g, chiefly sun, & the cirrocumulus in white knotted trains. — A very hot and sultry day, dusky low cumuli after 12, slight wet at 3, afterwards bright again. Night chiefly clear, little wind. Temperature 60° at 9 pm.	SW 1. SW 2. SW 1.	56	65	75
Tuesday, Sept^r 8.	·21 ·22 ·21 ·22	Bright morn^g, and cirri in a train across the S. — Bright and hot day, very serene & pleasant. Haziness came on after 3; broad cir'strati & little wet at 5. — Clearer even^g, and a bed of ribbed cirrocumulus at 9 pm. —	W 0. W 1 W 1.	51	64	74
Wednesday Sept^r 9.	·12 ·05 ·02	Cloudy morn^g much cirrostratus, few drops. fine and cloudy with wind till 2 pm, afterwards clearer and became hotter after 3 than before, scuds flying & the white knotted cirrocumuli appearing above. — Fine drying & pleasant. Sultry evening & beautiful beds of round white cirrocumulus. 8 pm Th^r 65°. & at 9 = 64°. A further protraction of charming summer weather.	SW 3. SW 3 SW 2.	53	60	71

Day	Barometer	September 1840.	Point and force of Wind	Thermometer: Lowest early	At 9 morng	Highest State
Thursday Septr. 10.	30·00 ·11 ·08	Cloudy & a little sudden shower 6½ am, cirrostrati in fine lines till 9. & much cooler at 8 than in past night. After 10. a very bright & warm day, a few cirri & cirrocumuli only. Beautiful afternoon, clear blue sky.— Extensive trains of cirrocumulus in handsome forms all the eveng.	WNW 2. W 2. WSW 1	60	56 to 61	70
Friday, Septr. 11.	·03 ·02 ·02	Fine and chiefly sun, cumuli passing, and distant nimbus to N, at noon. A very clear evening and night; and a little breeze increasing towards morning. Full moon 7¾ pm.— Remarkably fine weather.	W 2. W 4. W 1.	52	61	70
Saturday. Septr. 12.	·04 ·02 ·06	Very clear, cool, and windy morning, some cirrus, a very sunny day, cumuli, and wind. Clear evening and night; wind abated, and nearly ceased. Very parching day, protracting the great drought.—	WNW 3 WNW 4. WNW 1	47	59	69
Sunday. Septr. 13.	29·98 ·91 ·85	Very cool and clear morng; after 7, an extensive train of cirrocumuli and cirrostrati intermingled like network, some parallel bars & fine lines of white, some spongy presenting perforations or porous appearance, and minute round dots covered the zenith, all of white, a fine day and chiefly sun, with many cumuli & cirrostrati. Some dark clouds to night, but chiefly clear and very cool.—	WNW 1. NW 1. WNW ½.	43	58	68½
Monday. Septr. 14.	·60 ·50 ·42	Banks of rocky clouds on ESE horizon, at 8 am & cirrostrati across them, cloudy with sun: Many dark cirrostrati. Haze, & sun gleaming through, at noon: more clouded & little rain pm.— Overcast night: little wet.	S 1. SE 1. E 1. & ½.	40½	51	59
Tuesday, Septr. 15.	·36 ·35 ·36	Clouded over, light rain; the whole day mostly cloudy, little sun, and frequent rain, very cool and unsettled, many cirrostrati & dark cumuli.— Clear evening with coppery haze on the horizon, & most so in W.—	NW 2. NW 2 W 1.	48	51	59
Wednesday Septr. 16.	28·99 ·94 ·92 29·06	Galy and storms of rain 3 am: Clear morning after 5, some cirri, chiefly sunny till noon, & windy with cumuli clouds. At noon, it became cloudy with rain at times, the sun gleaming through.— Clearer after 3, & wind veered and back again at 5.— Hard gale with little abatement the night through. Great rain at Ipswich 5 am.	SW 4. SSW 1 WNW 2 WSW 5.	43	53	58
Thursday. Septr. 17.	·44 ·70 ·86	Windy & fleecy cumuli flying: a fine and bright day, drying wind, gradually abating till at ☉ set it was near a calm.— Purple and pink haze on E. horizon. Clear, calm, and cold night, after a golden ☉ set.—	WSW 4. WSW 3. WSW 1.	48	55	61
Friday, Septr. 18.	·99 30·02 ·02	Clear & frosty morng, became cloudy at 8 am. clear and sunny from 10 till 1 pm. Short heavy shower at 1, afterwards at times cloudy.— Cloudy evening & little showers, change to warmth although wind N.—	WSW 0. N 2. N 2.	38½	50	65
Saturday. Septr. 19.	29·94 ·92 ·97 30·02	Storms of rain early, gloomy but warm morng, Dark nimbi with thunder Eastward at 7 am. Chiefly overcast and light rain through the day at times, wind boisterous.— Finer night; clearer, and less wind.—	N 2. N 4. N 3. NNW 3.	50	53	57

Day	Barometer	September 1840.	Point and force of Wind	Thermometer: Lowest early	At 9 morng	Highest State
Sunday, Septr. 20.	30·08 ·11 ·14	Clear morng, a fine day, chiefly sun, clouds at times with cirrostrati and cumuli. Evening more cloudy and calm. Again more settled state of air. The last week far cooler than some months past, and autumnal signs coming on.	WNW 2. WNW 1 WNW 0.	41	52	61
Monday, Septr. 21.	·12 ·04 29·98	Fine clear morng: Sunny and warm day in part, dark cumuli after 1 pm, but a fine and pleasant day. Dense black cumuli & cirrostrati this eveng, threatening rain.— warm & windy, some rain at 9 pm.—	SW 2. SW 3. SW 3.	43	56	63½
Tuesday. Septr. 22.	·69 ·60 ·57 ·63	Cloudy morng, heavy rain after 9, increased with great darkness at 11.— A drenching storm followed; finer PM, but very cloudy.— Stormy & rain at times 5 & 6 pm. Clearer night and more fair.— Exit of Summer Quarter.—	SW 2. SSW 3. WSW 3. WSW 3.	51	56	56
Wednesday Septr. 23.	·42 ·62 ·70	Autumnal Equinox.— Stormy, Heavy rain, and gales. Turbulent windy & some wet till noon, fair, bright, and pleasant afternoon, cumuli passing: wind abating.— Distant nimbi at 4 & 5 pm.— Chiefly clear & fine night.—	SE 1. SW 4. SW 2.	41	48	59
Thursday Septr. 24.	·68 ·73 ·79	Fine, chiefly bright, and warm morng, several cumulostrati at 8 am. Eastward, & strips of cirrostrati across them. Bright and warm at noon, cumuli clouds, and at 3 pm a flying nimbus with a shower: another at 5 pm.— 10 pm, a severe Thunder-storm, heavy rain, remarkably bright lightning, and loud reports.— Much rain followed through the night.—	SE 2. SE 2. SE 1. Various 0.	47	59	63
Friday, Septr. 25.	·84 ·99 30·01 ·13	Continual rain from 8 am till noon, Finer PM, some sun, a breeze, and flying clouds, in large & low masses: White cirrostrati above.— New moon 6¼ pm.— Eveng in part cloudy, but signs of a fine coming morng.—	NE 1. NE 2. N 2. NE 1.	49	52	60
Saturday, Septr. 26.	·13 ·07 ·02	Clear morng, haze below, very bright warm and delightful till 2 pm. Cirrocumuli and cirrostrati, in dots & lines converging from SE to NW.— Hazy after 2, and at 5 pm rain which continued till near midnight.— Warm & soft atmosphere.—	SE 0. WSW 2. SW 2.	42	55	64
Sunday. Septr. 27.	·06 ·08 ·10	Clear morng, a fine sunny and warm day; cirri, cirrostrati, & cumuli, some cirro-cumuli but chiefly sun.— Soft and pleasant temperature.— Clear evening, coppery sun-set: Some clouds followed.— Warm night.—	SW 1. WSW 3 WSW 2.	46	56	64
Monday, Septr. 28.	29·97 ·82 ·69	Clouded with cirrostrati & dark scuds:— Light rain from 10 am, at times through the day, and gales, but very warm & soft. Dark clouds and rain at times to night: and very warm. Therm. 58½ 8 pm.— The law of compensation has now fully came on from previous long drought.—	S 2. SW 4. SW 4.	49	55	61

September 1840.

Day.	Barometer	September 1840.	Point and force of Wind.	Thermometer. Lowest early.	9 morn.g	Highest State.
Tuesday, Sept.r 29.	29.70 –70 –75	Chiefly bright till 2pm with cumuli, and cirrocumuli in white dotted trains. More clouded after 2. a hasty shower just before 3, with thunder at a short distance to E.S.E. Clear evening and somewhat galy. Much cooler than last night. —	SW 4. W 5. WSW 4.	48	55	62
Wednesday, Sept.r 30.	30.00 –08 –05	Clear, and cold wind to the feelings, in the early part of the day, but warmer in the day and very fine, sunny & pleasant, with fresh breezes. — Dots of cirrocumulus, indicating fine & warm weather. — Cumuli below, & spongy cirrus above all. — A warm & close night.	WNW 4. WNW 2. WSW 2.	46	53	62

Conclusive Remarks for September, 1840.

Barom.r	Max.m on 6th — 30.31. Min.m on 16th — 28.92 Range — 1.39 Mean of Month — 29.89	Therm.r	Max.m on 2nd — 84° Min.m 17th night — 38.5 Range — 45.5 Mean of month 57.08

Prevailg wind SW. Rain 2.52 In. Evaporation 3.18 in. Fine days 19.

This month at the commencement was excessively hot, and chiefly fine and warm till the 12th day; afterwards very variable but much cooler with frequent showers, proving highly acceptable to the burnt-up plains. — The fall of rain although considerable did not even half replenish the ponds — and what did accumulate was again evaporated, or absorbed by the extreme aridity of the soil. — Turnips died away in the heat & drought, and a very scanty crop still appears. — The apple crop partial, pears plentiful. — The rain only just sufficient to make way for the plough. — The great fall of temperature after the 12th from the previous hot season, brought on contagious fevers in many parts of the country. Catarrhal affections & their accompaniments prevalent.

October 1840.

Day.	Barometer	October 1840.	Point and force of Wind.	Thermometer. Lowest early.	8 morn.g	Highest State.
Thursday Oct.r 1st.	30.04 –10 –16	Clouded over. A grey and brown sky; chiefly cirrostrati and cumuli, with a soft temperature, but no sun. — Very pleasant autumnal weather. — Clouded close, and warm eveng & night, and a calm. —	W 1. WNW 1. WSW 0.	50	54	59
Friday, Oct.r 2.	–22 –24 –30	Grey clouds — clearer as day opened, bright with cirrocumulus: a delightful day, chiefly sun and warm. cirrocumuli & cumuli prevailing. Some very dense & black cumuli this eveng from N.N.W. Clearer night & colder. —	WNW 1. NW 1. NW ½.	47	52	62
Saturday, Oct.r 3.	–25 –22 –20	Some cold clouds from Nward early. a few icy drops, very chilly morng: showery & sun at times, the rain trifling only. — Chiefly sun with cumuli, cirrostrati and cold wind afternoon. Some nimbi during evening with trivial showers. —	NW 1. NNW 3 N 3	40	45	58
Sunday, Oct.r 4.	–18 –20 –20	Cumuli, light nimbi, cirrostrati, & sun; the wind drying & cool. Trifling showers flying over. — Clear and serene evening, wind less. Very seasonable weather. —	NE 2 NE 3. NE 1.	47	52	60
Monday. Oct.r 5.	–16 –16 –20	Clear morng, except a haze below, about horizon: Chiefly fine and sunny with cumuli clouds, after 2pm — Nimbi and showers. Cloudy evening, and a cold rawness in the wind to the feelings after 4 pm. — Dense cumuli like smoke in the S. horizon	NW 1. N 2. N 1.	43	49	60
Tuesday. Oct.r 6.	–19 –19 –22	A stratus in the morng, clear & sunny after 10 a m. Fine and sunny noon. — Cumuli increased with trivial shower at 3½ pm. Fine and clearer eveng again, and rather cold to the feelings. Some dense cumuli like smoke in volumes S.	NW 1. NW 1. W 0.	40	43	59
Wednesday, Oct.r 7.	–17 –15 –22	Grey clouds, cirrostrati & sun; a very fine & pleasant day, chiefly sun, with cumuli, and cirrocumuli. — Clear and frosty night, and quite calm. — Haze below and stratus on the valleys. —	W ½. NW 1. W 0.	39	44	57
Thursday Oct.r 8.	–32 –35 –38	Clear and frost, early a m. Very bright sun, all day, warm, tranquil & delightful. — some small cumuli clouds — pm. — Clear moon-light eveng, and calm	WNW 0. NW 1. W 0.	33	38	60
Friday, Oct.r 9.	–40 –41 –40 –42	Cloudy morng, cleared after 10, calm, bright, warm, and beautiful day no cloud for several hours, a few small cumuli pm. quite hot in the sun: Very clear & calm night. —	W 0. NW ½. NW 0.	35	42	62
Saturday Oct.r 10.	–42 –41 –43	Frosty morng, clear & calm, Very bright, calm, and warm day. No cloud but a few small cumuli pm. Thermr 110° in sun, & 63° in shade. — Bands of fog intersected the tops of the trees on the sides of the vales at 7 a m, to day, and these two days the gossamer-web was thickly spread on the whole of the fields. —	Various 0 E ½ ESE 1.	34	40	63

Day	Barometer	October 1840.	Point and force of Wind	Thermometer: Lowest early	At 8 morn	Highest state
Sunday. Octr. 11.	30·50 ·52 ·57	Great fog from a Stratus this morng, very fine and bright day, some cumuli clouds. Full moon 7 am. — Calm and pleasant eve, grey clouds & moon. — Night clearer and colder. — Red cirri at ☉set, indicating fog only as the pressure is great. —	NE 1 ENE 2 NE 0	37½	43	60
Monday. Octr. 12.	·68 ·71 ·71	A stratus till 7, cleared afterwards. — A very fine, bright, and warm day, some cirri and cumuli. — Serene, and fine night, haloes about the moon, after a lake ☉set & cirri tinged the same. — Frosty nt.	NE 0 ENE 1 E 0	35	41	60
Tuesday. Octr. 13.	·67 ·64 ·59	Stratus and frost early, a very bright, & warm day, great increase of temperature in the air itself from change of wind, beside the solar warmth. — Some spongy cirri & the linear kind about horizon. Brilliant & hot, with a sky of loveliest blue. — Thin haze, & cirri over the whole sky to night. —	SE 0 SW 1 SW ½	32	37	63
Wednesday. Octr. 14.	·48 ·41 ·39	Very bright morng, a white mottled cirrostratus to SSE. A beautiful, bright, and very warm day, bluest sky, & white cirrocumuli. Eveng clouded over, very close, sultry & calm, Thr at 8 pm 55° but colder with fog during night. —	SW ½ W 1 WNW 0	36	43	63
Thursday. Octr. 15.	·32 ·26 ·20	Stratus early. Very fine warm, & pleasant chiefly sun, but much thin hazy cloudiness, & cirrocumulus, in round dots, and mottled beds. — Charming Autumnal days. Hazy & cloudy night. The sky all red at ☉set.	WNW 1 NW 1 NW 1	40	42	57
Friday, Octr. 16.	·01 29·92 ·90	Cloudy, cirrostrati & scuds. — Chiefly cloudy with blue haze, and nearly overcast all the day, wind fresh. Evening the same, and warm closeness of atmosphere. —	W 2 W 2 W 2	43	46	54
Saturday, Octr. 17.	·89 30·02 ·11	Gentle rain, foggy & thick till after noon, more fair and a little sun after 2 pm, many cirrostrati, and some raggy cumuli in adverse currents. — Mild & cloudy evening. —	ENE 2 NE 1 NE 0	50	48	54
Sunday, Octr. 18.	·10 ·05 29·91	Very cloudy, with much cirrostratus and scud. Wind increasing all the afternoon. Rainy eveng, and gales all the night from SW & W, to NW by the morng of 19th. —	SW 2 SW 3 SW 5	46	48	55
Monday. Octr. 19.	·70 ·73 ·84	Very boisterous & warm, cumuli, cirri, & scud. — High wind, cumuli and sun, colder as day passed, & very drying. — Night cloudy, but wind less, & fine. —	NW 6 NW 6 NW 5	48	50	57
Tuesday, Octr. 20.	30·10 ·18 ·22	Trivial showers, cumuli & raggy nimbi, yet mostly fine, sun at times, and breezes, these less after 2 pm. — Fine eveng — dark clouds passing. —	NW 3 NW 3 NW 2	44	46	55

Day	Barometer	October 1840.	Point and force of Wind	Thermometer: Lowest early	At 8 morn	Highest state
Wednesday Octr. 21.	30·21 ·20 ·20	Cloudy with sun, cirri, cirrostrati, cumuli, & trifling Nimbi. — Nearly the same all day, with drying breeze. — Cloudy evening very little wind, and few stars seen. — Very light in the north. —	NW 2 NNW 2 NW 1	42	45	54
Thursday, Octr. 22.	·04 ·01 29·96 ·98	Overcast, drizzle, and foggy. General thickness and murky atmosphere. — Rainy evening most so at 7 pm. Finer after 8, cloudy night, clearing after 12 to a clear, and cold morning. Haze below. —	SE ½ / S 0 SW ½ NW 1	40	43	49
Friday, Octr. 23.	30·05 29·93 ·82	Clear morning, and a fine bright, and calm forenoon, a few white broken cirrostrati only. After 12 gradually more clouded with dark cirrostratus. Overcast & wet after 3 pm. Heavy rain through the night. —	NW ½ W 2 W 3	38	39	54
Saturday. Octr. 24.	·56 ·62 ·69	Heavy rain till 5 am, a fine sunny day. — cumuli, & cirrostrati, and on N horizon the heads of nimbi. Little shower at 5 pm. — Galy, and some rain during the night. —	NW 3 NW 3 W 3	38	38	52
Sunday, Octr. 25.	·82 ·88 ·95	— New moon 9 morng. — Fine day, chiefly sun, cumuli clouds, and at noon a beautiful train of cirrocumulus from NW to SE, in dots of white. — More cloudy pm, woolly white cirrostrati, and cumuli. — Clear star-light night, less wind. —	NW 2 NW 3 NW 1	38	41	52½
Monday, Octr. 26.	·95 ·91 ·84	Clear morng, mottled cirrostrati tinged rose-colour. — Bright sun, with trains of cirrocumulus in dots & specks from NW to SE. — all the forenoon, more clouded after 1 pm. Night overcast and close with dampness.	NW 1 NW 1 W 1	34	36	51
Tuesday, Octr. 27.	·38 ·29 ·26 ·28	Rain early & continued with mild, very damp and overcast atmosphere till 11 am. Wind then veered. More fair & little sun, but colder afternoon. Much cirrostratus, and just before ☉set, a coppery sky with beautiful spongy cirri in the SW. — Night in part clear.	SSE 2 SW 3 WNW 2 W 2 WSW 1	43	50	51
Wednesday, Octr. 28.	·27 ·32 ·41 ·45	Overcast wet morng till after 9, then sunny at times & chiefly fine. A very stormy looking sky, long cirrostrati on the tops of the heads of distant nimbi to SE. — Haze, & every pluvial kind of cloud abundant. — A clear sky to west bounded by longitudinal line of cloud for some hours, near noon. — Rugged rocky banks of cloud on the SE & E horizon all the eveng, & bands of cirrostratus across them. — Some lightning also in them. — Night in part clear, some dense black cirrostrati. — After a remarkable time of dryness, we have now great signs of much wet; or a beginning of the compensation rule. —	SSE 2 SSE 3 SE 1 SE 2	35	41	48

October 1840.

Day	Barometer	October 1840.	Point and force of Wind	Thermometer Lowest early	At 8 morn	Highest State
Thursday Oct.r 29.	29·55 ·47 ·45 ·50	Overcast in general and a very rainy day, particularly after 1 pm. All the foliage now rapidly falling, and a dark, damp, & close state of atmosphere. Night finer, and somewhat clearer. — Wind more to the South as shewn in the column.	E 1. E 1. SE 1.	39	43	51
Friday. Oct.r 30.	·69 ·73 ·73	Morng chiefly clear above, a stratus on the valleys. — Flying fleecy cumuli and bright sun, very bright and warm afternoon, with a fresh breeze. — Much cirrus 4 & 5 pm, warm night, a remarkably straight cirrostratus near the setting ☉. Cirrocumuli & cirrostrati all the eveng.	SE 2. SE 2. SE 2.	38	42	54
Saturday, Oct.r 31.	·73 ·71 ·75	Very warm morng, cirri, cirrostrati, scuds, & sun: a fine & warm day. plumose & spongy cirri, ribbed & dotted cirro-cumuli, & dusky cirrostrati. — Evening and night chiefly cloudy and warm. —	SE 2. SE 1. SE 0.	40	49	56

Conclusive Remarks for October 1840.

Barom.r	Max.m on 12.th — 30·71	Therm.r	Max.m on 14.th 63°
	Min.m on 27.th — 29·26		Min.m on 12.th nt 32
	Range — 1·45		Range — 31
	Mean of Month 29·95		Mean of Month 48·29

Prevailing Wind NW. Rain 1½ inch. Evaporation 1·81. Fine days 21.

This was a remarkably pleasant and fine month, with great warmth by day at times, yet with colder nights in the finest weather. A very fine seed-time, but the land in too dry a state to the close of the month for much of the field work. Ponds and rivers still very low from the preponderance of drought for near 9 months past! — The fall of the foliage was early in consequence of the early leafing & dry summer; nearly all the trees were partly bare & many quite so on the 31.st of October. — During these two months a partial raging of violent scarlet fever with many and sudden deaths.

November 1840.

Day	Barometer	November 1840.	Point and force of Wind	Thermometer Lowest early	At 8 morn	Highest State
Sunday, Nov.r 1st.	29·82 ·79 ·62	A stratus till 8 a.m., fine, very mild and pleasant day, cirri, cir'strati & scuds. — A gale came on at 3 pm, with flying scuds cumuli, and the ribbed cloud above by moonlight at 7 pm. — Very mild & galy night. —	SE 0. ESE 3. SE 4.	40	46	54
Monday, Nov.r 2.	·65 ·73 ·74	A stormy sky in the morng, much scud and wind. A very fine warm & sunny day, cumuli, cirri, and wind: — very drying and cheerful. — Very clear after 3 pm, no cloud. & wind less. — Linear cirri and less clear eveng, but the moon chiefly bright till setting. —	SSE 4. S 4. S 2. SE 1.	47	49	56
Tuesday Nov.r 3.	·60 ·54 ·53	Haze, cirrostratus & dark knotted clouds, great mildness. — Clearer after 9. Sunny very warm, and beautifully pleasant. cirri and mottled cirrostrati, with cirrocumuli in dotted trains. Beautiful night, calm, warm and soft, and the moon peeping between dark mottled cirrostrati.	E 1. SE 1. SE 0.	44	50	58
Wednesday, Nov.r 4.	·44 ·38 ·50	Overcast & very warm morng, rainy till noon, fine pm — some sun, and squalls of wind; At 4 pm very clear & windy with cirro cumuli & cirrostrati, all white. Clear moonlight evening, and wind ceased. — Some dark cirrostrati on S horizon. —	SE 1. S 3. SW 5. SW 1.	48	50	55
Thursday Nov.r 5.	·40 ·37 ·45	Overcast, gale, and heavy beating rain, during the forenoon, heavy storms near 11 a.m. and wind veering & strong. Fine afternoon cumuli and sun. — Evening & night cloudy and rain at times. Seasonable weather. — A parhelion above the sun 4 pm.	SE 5. SW 6. & 4. S 2.	44	50	54½
Friday Nov.r 6.	·36 ·17 ·21	Overcast and rainy, with wind. A red ☉ rise: Squalls & heavy storms of rain till after 2 pm. Continual wet till noon. Clear with sun, & cumuli, after 3. A stormy sky this eveng, raggy nimbi, gales, and flying showers. moon between. —	SE 4. S 5. SW 4.	42	46	51
Saturday, Nov.r 7.	·26 ·30 ·33	Overcast heavy beating rain at times, dark atmosphere: Finer near noon & till 2 pm, some sun, very warm & pleasent here, a dense & very black nimbus in NW, loud thunder, and an exceedingly severe flash of lightning. — Black with beating storms & hail soon after — here, but a fine moon-light eveng & night. Cirrocumuli &c all day. —	S 3. S 3. SW 3.	46	48	56
Sunday. Nov.r 8.	·47 ·49 ·50 ·47	Chiefly clear, warm sun, cirrocumuli & cumuli clouds, & some blue haze on the landscape. — Evening clouded with sheets of dotted and ribbed cirrocumulus, some haze & signs of return of storm.	SW 2. SW 1. SW 2.	39	40	52
Monday, Nov.r 9.	·21 ·22 ·30	Very heavy drenching storm at 8 am, & very dark. Afterwards fair clear and windy day, cumuli flying. Clear moon-light evening, some cirro-cumuli in silvery knotted divisions. — Full moon 6 pm.	SSE 2. SSW 4. SW 6.	41	46	52
Tuesday. Nov.r 10.	·15 ·20 ·33	Cirrostratus plane & undulated, with cirro cumulus early. Clear forenoon. a few scuds. More clouds & showers with hail after 1 pm. Clear moon-light evening & night. —	SW 1. WSW 2. W 1.	40	40	51

November 1840.

Day.	Barometer.	November 1840.	Point and force of Wind.	Thermometer. Lowest early.	At 8 morng	Highest State.
Wednesday Novr. 11.	29.47 -45 -38 -33	Clear morng, little hoar-frost, chiefly sun till 1pm, some cirri & white cirrostrati. cloudy pm — after 2 much scud and dusky cirrostrati. Distant sleet showers, in rocky nimbi about NW & E. — Low clouds, calm & moist night. Chiefly cloudy. —	SSW 1. SE 1. E 0.	35	36	49
Thursday. Novr. 12.	-60 -67 -63	Fog below, clear above, hoar frost. Sunny and pleasant forenoon, more foggy after 1pm. Foggy eveng, & calm till near midnight: afterwards a storm from ESE, & change to warmth.	SE 0. SE 0 SE 1.	34	35	45
Friday. Novr. 13. * * * ☞	-09 -04 28.90 28.80 28.73 !!	Violent storm of wind and rain, from ESE till 10am, dark raggy clouds. — After 10 the wind fell to gentle breeze, & the clouds drew off with a formal boundary leaving the SW clear. — Warm & sunny noon, but at 1pm it became very black in SSE, and a very heavy storm of beating rain with violent hurricane came on at ½ past 1, afterwards stormy. sudden gales & rain. — Much lightning around, & several Meteors 6. 7. & 8pm. — Black clouds flying with violent gales all night little rain at times. The lowest Pressure for many years past — viz 28.73 !!	ESE 6-7. S 2. SSE 1. SSW 4 SW 7.	34	45	55
Saturday. Novr. 14.	29.00 -10 -33	Flying scuds, chiefly sun, and strong gales. — More cloudy after 1pm, little wet at times. Evening chiefly clear, much lightning in S, and several meteors passing from N to S, across the zenith.	SW 6. SW 5. SW 4.	42	44	49
Sunday. Novr. 15.	-58 -63 -63	Bright sun all day, very fine pleasant, & nearly calm, & the roads dried to dustiness by the late gales. — Cirri & haze increasing at ☉ set, & at 8pm wind changed — Barom stopped. overcast night.	WNW 1 W 0 & 1. SSE	36	37	48
Monday. Novr. 16.	-18 -16 -34	Extreme warmth, overcast & wet morng, by 9 the Thermr was 56°! before noon 59° & at 60 & 61° 1 & 2 pm. Fine with sun, flying scuds, and cirrocumuli from 11am. — More wind increasing at 3½pm to hard gale. Windy evening, chiefly clear. Some Meteors.	SSW 3. SW 4. SW 6. WSW 4.	37	53	61
Tuesday. Novr. 17.	-37 -66 -64 -34	Clear morng, a green sky near sun at rising, & the cirrus in rosy tufts & lines. Fine till 1pm, but hazy & much cirrostratus in confused sheets. Overcast dark, & rainy after 1. Galy evening, rain at times. Thermr highest at 8pm, & Baromr suddenly fallen.	WSW 3. SW 1. SE 4.	43	43	48 to 51 at 8
Wednesday Novr. 18.	-89 -95 -82	Baromr again rapidly risen more than it fell. Calm & hazy morng. Very hazy with a confused bed of clouds, shewing parallel ribs, & undulations of dark hue. — Overcast eveng, rain, and little snowy wet. —	SW 0. SW 0. ENE 3.	35	35	42
Thursday Novr. 19.	-90 -94 30.02	Chiefly fine with sun, and all varieties of cloud, from cirri to cumulostrati. Some in a higher current gliding contrary to the lower. A shower at 5pm. — Fine night and mostly clear. — Frosty. & change to wintry air.	NE 2. NNE 2. NE 1.	38	40	44

November 1840.

Day.	Barometer.	November 1840.	Point and force of Wind.	Thermometer. Lowest early.	At 8 morng	Highest State.
Friday. Novr. 20.	30.16 -13 -10	Chiefly clear & frosty morng some cirrostrati very clear after 10am, and a very fine bright day. some tufts of cirrus, & cirrocumulus. — Eveng partly cloudy, and wind rising. —	NW 1. NW ½. WSW 3.	33	33	44
Saturday. Novr. 21.	29.64 -45 -37 -22	Storm of beating rain, and hard gale till 11 am, cleared at 12, sunny till after 1, then broad cirrostrati & chiefly cloudy, with rain at times. Very stormy night, beating showers and hard gale at NNW. — Remarkably turbulent weather. —	SSW 5. SW 6. SW 4. NW 6.	37	40	47
Sunday. Novr. 22.	-76 -92 30.08	Boisterous & cold wind with flying nimbi. afternoon bright with cumuli clouds, and boisterous, cold and drying wind. — Evening partly clear, and frosty with very little wind. —	NNW 5 & 6. N 4. N 1.	40	39	42
Monday. Novr. 23.	-15 -04 -05	Hoar frost, clear above, haze came on, & after 9 — overcast and snowing all the forenoon. Dark, overcast, and damp afternoon. Cloudy eveng, change to great mildness. Temperature after ☉ set rose from 40 to 49° by 9pm. —	SW 0. SW 3. SW 2.	31	32	40 to 49
Tuesday Novr. 24.	-19 -28 -39	Very mild soft & pleasant, fleecy cumuli & sun, chiefly sunny & a fine cheerful day, grey cumuli clouds. New moon 2 am. — Calm serene eveng, grey clouds over all. — Clearer night little frosty.	W 1. NW 1. N 1. N 0.	48	48	52
Wednesday. Novr. 25.	-49 -52 -55	Calm & frosty, grey clouds, clearer as day opened: grey fleecy clouds and sun, very calm, fine and pleasant. Clear and frosty evening and night. Stars brilliant, and perfectly calm. —	NE 0. E 0. ESE 0.	32	36	49
Thursday. Novr. 26.	-57 -57 -56	Beautiful ☉ rise, no cloud, a golden East. — A very clear, calm, and lovely day, without a cloud, and morng & night frosty. Sharp frost set in during night with continued calmness & clear skies. 8pm 34°.	SE 0. SE 0. SE 0.	31	33	46
Friday. Novr. 27.	-54 -56 -52	Sharp frost morng, haze below. Very calm bright and cloudless day. After 4pm the stratus returned presenting straight bands or sheets of fog, with sharp frost. 8pm 30°.	SE 0. SE 0. E 0.	26	27	42
Saturday. Novr. 28.	-50 -48 -47	Thick haze & rime with sharp frost. — Clear and very bright in the day. At sun set much purple & pink haze on East and NE horizon. Frosty night, calm & clear. 8pm 31°. Less severe than last eveng. —	Var. 0. SE 0. SE 0.	25½	26	43
Sunday. Novr. 29.	-40 -36 -29	Very white frost but less severe, thin cirrostrati & cirri tinged red. — Many cirrostrati & haze in the day, wind coming on, & perfect changes. — Thermr commenced rising after 8pm. — A cloudy night, mild, and a light breeze. —	SSE 0. S 1. SSW 2.	29	30	43

Nov 30th over leaf —

Day	Barometer	November 1840.	Point and force of wind	Thermometer: Lowest state	8 morn	Highest state
Monday, Novr. 30.	30·14 ·15 ·12 ·14	Much cirrostratus, presenting plumose surfaces, & the knotted cirrocumulus in raggy ranges with spongy cirri. Very mild day, little sun & scuds. After 3 pm more overcast; little wet at 4. Finer eveng. warm, & calm, in part clear; but at 10 pm, wind & clouds.	SW 2 SW 2 SW 0	39	44	54

Conclusive Remarks for November 1840.

Baromr. { Highest on 26th = 30·57 Lowest on 13th = 28·73 ! Range = 1·84 Mean of month = 29·73	Thermr. { Highest on 16th = 61° ! Lowest on 27th night = 25·5 Range = 35·5 Mean of month = 40·38

Prevailg winds SW to SE. Rain 2·60 In. Evaporation 0·64 In. Fine days 19.

This was a remarkably stormy month to the 22nd day, with the lowest Barometer for 19 years, and a high temperature to that day. — The latter part became very fine serene and bright with a high Barometer and sharp frosty nights. — Although rain had fallen in considerable quantities, yet the extreme aridity of the land was such, that even now the rivers are not filled. — The pastures unusually green from the mildness & wet after long drought. —

Day	Barometer	December 1840.	Point & force of Wind	Thermometer: Lowest state	8 morng	Highest state
Tuesday, Decr. 1st.	30·02 ·07 ·15	Overcast, mild & rather moist; after 9 a very fine and warm day, cirrostratus, cumulus, and sun. — At 7 pm a sheet of barred cirrostratus passed the moon, & presented a beautiful & regular undulation of silver and dark shades as the rippling of a brook. — Fine serene night, and in part clear.	SW 3 WSW 1 W 0	47	50	55½
Wednesday, Decr. 2.	·26 ·30 ·39	Very fine & bright with cirrus in every form, spongy, plumose, & fibrous, & white cirrostratus. At 7 pm some cirrostrati passed over with icy broad drops of rain. A clear and frosty night followed. —	NW 1 NW 1 NW 0	36	36	46
Thursday, Decr. 3.	·58 ·58 ·60	Very fine and bright scarcely a cloud, and a frosty air all day. — Clear and frosty night haze below, & halo about the moon. — Very calm & wind variable in direction. —	NW 0 NW 0 SE 0	31	33	42
Friday, Decr. 4.	·54 ·51 ·47	Very white frost, clear till near noon, except thin horizontal cirrostrati near ☉ at rising. — Afternoon clouded till near 4, then clear again. Evening mostly clear and frost resuming at sun-set. —	Var. 0 SW 1 W 0	27	29	41

Day	Barometer	December 1840.	Point & force of Wind	Thermometer: Lowest state	8 morng	Highest state
Saturday, Decr. 5.	30·41 ·40 ·39	All clouded the day through, but calm serene and pleasant for the season. — At 8 pm somewhat clearer, and a little wind. The moon gleaming. —	Var. 0 W 0 W ½	30	37	42
Sunday, Decr. 6.	·27 ·22 ·18	Partly clear, a fog below lying in stripes across the trees. Sun at times during forenoon but very cloudy afternoon. Evening partly clear and frosty. Very fine Winter weather.	Var. 0 SE ½ SE 0	34	34	41
Monday, Decr. 7.	29·98 ·86 ·72	White frost — change to haze & fog, overcast, and damp: Afternoon general cloudiness, of a dusky blue, & very cold, threatening snow, although a southerly wind. Boisterous freezing wind & cloudy night. Moon peeping. 5 pm 33° 8 pm 32°.	SE 1 S 3 SSE 4	29	33	38½
Tuesday, Decr. 8.	·47 ·40 ·48	Piercing dry wind, & freezing. Mottled cirrostrati tinged red at ☉ rise. Some sun in the forenoon, but chiefly clouded, & drying cold breeze. — Rainy eveng — thin cloudiness the moon seen through.	SE 3 SE 2 S 2	31	33	42
Wednesday, Decr. 9.	·77 ·85 ·90 30·05	Clear & frosty morng, the clouds drawing off to the East in dusky ribs, and a distinct bright line of space between the main cloud & the detached parts across the E. at ☉ rise. — Very clear & calm day. Full moon 4 a.m. Freezing at ☉ set, clear frosty night. —	SW 0 W 1 SW 0	31	31	43
Thursday, Decr. 10.	·11 ·08 ·10	Clear above, fog below, & hard white frost; very foggy forenoon, hazy afterwards, and damp. — Cloudy night, more wind and drying. Signs of snow & wintry blasts.	SE 0 SE 1 SE 2	30	32	42
Friday, Decr. 11.	·10 ·10 ·10	Dry wind, cloudy and cold; very cloudy and dark, with drying and very cold wind. The sky threatens snow. Night also cloudy, less wind, and both Pressure & temperature stationary.	E 3 E 3 E 2	33	33	35
Saturday, Decr. 12.	·25 ·31 ·34	Cloudy over all the sky, very cold and drying atmosphere, Evening and night the same, frost setting in with sharp Easterly wind. — 8 pm Thermr 30°.	E 1 ENE 0 ENE 1	33	34	36
Sunday, Decr. 13.	·40 ·41 ·40	Hard frost, cloudy sky, and piercing wind. — A few small particles of snow falling occasionally throughout the day. Clearer night, frost increased with a breeze. 8 pm Thermr. 28°.	NE 3 ENE 2 ENE 3	30	32	32
Monday, Decr. 14.	·38 ·36 ·35	Chiefly clear, severe frost, and very cold piercing gale. More clouds after noon, & a little snow falling. — Evening chiefly clear and severe frost. 8 pm Thermr 23°. Considerable snow during night & the wind more to NE. — ☞ The coldest December night for several years past. —	ENE 2 E 3 E 1	22	24	30

Day.	Barometer	December 1840.	Point and force of Wind.	Thermometer Lowest State	At 8 a.m.	Highest State
Tuesday, Decr. 15.	30·38 ·33 ·32	Snow fell early this morning to the extent of above 2 inches in depth. Very clear after ☉ rise & severe frost. – Thermr continued at 18° till after 9 a.m. – Chiefly clear all day, a train of spongy cirrus passed to W. at noon – lying N. to S. – Light fleecy clouds & granular snow in sun-shine. Heavy snow after 4 pm at times. Partly clear & severe. 8 pm 21°.	NE 0. NE ½ N ½.	18	18	28
Wednesday, Decr. 16.	·22 ·10 29·98 ·93	Severe frost, & continual snow till 2 pm, then continued overcast, and inclined to thaw, During eveng the Thermr was highest, and at 9 & 10 pm some rain and sleet with a slight thaw & still overcast.	NNW 1. NW 0. Var. 0	19	24	32½
Thursday, Decr. 17. ☞	·87 ·90 ·94 ·91 ·90	Cloudy morng & again colder, little snow & the drops on shrub twigs became frozen. At 10 a.m the Thermomr rose to 32°, highest for the day, after which it fell fast all day contrary to usual action. Very clear & calm afternoon, the sun outdone by the frost, as every tree was cased with ice even in full sun. Thermr 1 pm 27°. – 2 pm 26°. 5 pm 20° – afterwards cloudy & boisterous gale all night. 8 pm 26°.	S 1. SE 2. SE 0. NE 0. E 4.	30 20	29	32
Friday, Decr. 18.	·82 ·73 ·69	Morng in part cloudy, boisterous & sharp gale with continued frost: Sunny & chiefly clear after 8 a.m, much cirrus in sheets, more hazy cirri pm, & rough piercing wind. cloudy eveng, little snow, & less wind.	NE 4. NE 4. NE 3.	20	31	33
Saturday, Decr. 19.	·74 ·74 ·79	Overcast all day, less frost, slight thaw in the day time. Freezing again after 3 pm, cloudy night, and wind boisterous frost gentle but continuing.	N 1. NE 2. NE 4.	29	31	34
Sunday, Decr. 20.	·97 30·12 ·23	Cloudy with boisterous wind: slight thaw most of the day. – Little moist precipitation during evening, night fine but cloudy. Less wind, and little frost.	NE 3. NE 3. NE 2.	30	34	36
Monday, Decr. 21.	·39 ·42 ·45	Winter Solstice, – Shortest day. Cloudy & frost, clearer after 9 a.m, drying air, very fine – sun – & fleecy clouds. – A breeze 7 pm – Aurora Borealis very bright.	NE 1 NE 1. E 4.	32	33	36½
Tuesday, Decr. 22.	·49 ·44 ·43	Clear & hard frost, brisk & keen wind. Day throughout clear, with sharp wind. Less wind and sharper frost evening and night, beautifully fine winter weather. 8 pm Thr 29°.	E 3. E 3. E 2.	28	29	34
Wednesday, Decr. 23.	·32 ·27 ·22	Clear and severe frost. Very clear and calm day, some spongy cirrus Eastward. Some haze but chiefly clear eveng & night. 8 pm Thermr 25°. New moon 9 pm.	NE 0. E 0. E 0.	23	24	35
Thursday, Decr. 24.	·19 ·21 ·31	Hazy cirrostrati red at ☉ rise, a very fine day, chiefly sun, some undulated & barred white cirrostrati. Frost continues. Clear, calm and sharp frost eveng. 8 pm Thermr 25½. 2 bright mocksuns at (10 morn).	NE 1. NE 0. NE 0.	24	28	35½

Day.	Barometer	December 1840.	Point and force of Wind.	Thermometer Lowest early.	At 8 a.m.	Highest State
Friday, Decr. 25.	30·40 ·47 ·50	Continued sharp frost, grey clouds, and sun, clearer at ☉ set, very calm and clear evening and severe frost, the Thermr at 8 pm 23°. Little rime during night. –	NE 0 E 1. E 0.	23½	26	34
Saturday, Decr. 26.	·59 ·62 ·64	Severe frost, trees decked with rime all day, thin cloudiness, sun gleaming. – Overcast evening, perfect calm, and the frost abating. 3 pm 27½ & afterwards higher.	N 0. NW 0 NW 0.	19	23	30
Sunday, Decr. 27.	·74 ·72 ·67	Overcast all the day, gentler frost, and perfect calm. The Barometer remarkably high. Slight inclination to thaw, yet a continued uniformity of frosty weather.	NE 0 NE 0. NE 0.	27½	30	34
Monday, Decr. 28.	·50 ·45 ·42	Overcast morng, clearer with cirrocumuli at 10 a.m, very fine day, but clouded with cirrostrati. – Hazy evening descending to fog, rime and sharper frost.	SE 0. E 0. NE 0	28	31	34
Tuesday, Decr. 29.	·32 ·33 ·36	Severe frost, fog, & thick rime, the trees & shrubs richly decked in white all day. At 6 pm Sleet & little wet, afterwards a clear night. Highest Thermr 29° in the day, but at 6 pm 32°.	NW 0 NW ½ NW 1	19	19	32
Wednesday, Decr. 30.	·44 ·36 ·28	Clear and severe frost, became cloudy with cirrocumuli & cirrostrati. – Evening more cloudy with snow and wind. Thaw during night, and considerable wind.	NW 1. NW 2. W 2.	22½	23	33
Thursday, Decr. 31.	29·89 ·95 30·02	Thaw, Much cirrus in various forms, the spongy and fibrous most seen, and dark cirrostratus, coppery sky, with sun. Evening in part clear with fleecy clouds. – A red line of boundary to clouds leaving the sun nearly clear at setting. Little frost during night.	W 3. WNW 3. W 3. NW 2.	31	40	42

Conclusive Remarks for December 1840.

Barometer	Highest on 27th	30·74	Thermomr	Highest on 1st 55·5
	Lowest on 8th	29·40		Lowest on 15th 18
	Range	1·34		Range 37·5
	Mean of month	30·21		Mean of Month 32·23

Prevailing wind Easterly. Rain only ·12 of an Inch, Evaporation ·43 of an Inch, and fine days 28. –

This was an unusually fine month, and frosty & cold throughout, with sharp and dry Easterly wind. –

No great sickness, but colds & the usual winter disorders. –

Ponds, springs &c very low to the end of the month! –

1840.

Table of the Winds in 1840, & the depth of rain, amount of Evaporation, & number of fine days.

1840	E	W	N	S	NE	SE	NW	SW	Prevalent winds			Rain	Evap.	Fine days
Jan.y	1	3	0	5	3	3	4	12	SW			2·12	·92	17
Feb.y	8	3	0	3	5	3	1	6	E			·68	1·02	23
March	3	2	5	0	11	1	7	2	NE	to	NW	·17	1·43	22
April	5	1	5	4	4	3	5	3	E	N &	NW	·08	4·01	29
May	4	2	2	1	3	2	5	12	SW			2·24	3·35	20
June	0	2	0	1	0	4	10	13	SW	&	NW	·83	3·88	21
July	1	7	1	1	0	0	8	13	SW			1·22	3·66	20
Augt	3	8	0	3	3	5	0	9	SW	W &	SE	·94	5·16	27
Sept	1	7	2	1	1	2	4	12	SW	& W		2·52	3·18	19
Octr	2	4	1	0	4	4	13	3	NW			1·50	1·81	21
Nov	1	1	1	4	1	9	2	11	SW	&	SE	2·60	·64	19
Dec	7	3	0	0	8	6	6	1	NE	& E		·12	·43	28
Totals	36	43	17	23	43	42	65	97	SW	&	NW	15·02	29·49	266

The main features which so prominently distinguished the Year 1840, were the great drought of the whole year, the extreme heat of April and August, the earliness of the Spring, and the beautiful and bountiful harvest. The seared pastures and parched up rivulets were both memorable scenes of the year. and to the end of December scarcely a pond or ditch contained water! —

So splendid a year is not on record, as regards the brilliant sunshine of many of its months, when purest blue skies for weeks together were enjoyed. —

The Coldest times of the year were January 10th at night, and the 15th day of December. Thermr 16° & 18°, And the hottest were the 3d 4th and 10th days of August Thermr 85° and 86°. ——— The range of Temperature for the year was 70° and the mean was 49°·059, the mean of extremes being 51°. ———

The Highest Barometer was on Decr 27th — 30·74 In.
Lowest Do ——— Novr 13th 28·73
Range 2·01 !

And the mean of the year was 30·022 — Inches. —

Rain as above only 15·02 Inches. Evaporation 29·49 In.

Fine days 266 in number. —

January 1841.

Day	Barometer		Point and force of Wind	Thermometer Morning Lowest	At 8 morn	Highest State
Friday, Jan.y 1st.	30·00 29·94 ·95	Little frost early, chiefly cloudy & overcast damp and gloomy in the day. — Overcast evening and a little light rain. — Less wind and sky clearing during the night. Slight frost, most on the ground.	W 3. W 2. WSW 2.	33	37	41
Saturday, Jan.y 2.	30·10 ·17 ·10	A ground frost, clear sky bright sun, and chiefly sun all day, cheering & pleasant. — some linear cirri. — A perfect halo round the moon at 6 pm & after, and luminous streaks across it from SE, to NW, — these were evanescent or flashing as the Aurora Borealis, some of which also appeared. — More cloudy during night & Thermr 42°. — Gale after 12. —	WNW 2. W 2. W 2.	33	33	41
Sunday, Jan.y 3.	29·32 ·21 ·17 ·12	A gale early this morng, and at 7 am, a heavy beating Storm of hail, with much vivid lightning and loud Thunder, the hail drifted in heaps against the walls. — Windy and very cold day, chiefly sun, raggy cumuli and distant nimbi. Freezing commenced before ☉ set. — Bright moon & hard frost this evening. —	NW 5. WNW 4. W 4. W 3.	42 to 33	33	37
Monday Jan.y 4.	·08 ·16 ·30	Hard frost, cloudy — continual snow, increasing after 12, heavy snow 1 & 2 pm, and more or less snowy afterwards, wind veering with increased frost. — Eveng & night sharp frost, and snow at times. — 8 pm Thermr 25°. —	SW 0. NW 1. Var. 1. NE 2.	27	29	33
Tuesday, Jan.y 5.	·32 ·30 ·37	The snow 6 inches deep, snowy morning, Afternoon chiefly fine, with fleecy cumuli and some sun. Frost resumed at ☉ set, Thermr 28°. — Cirrocumulus clouds passing zenith at 5 & 6 pm, in rounder detachments than usual at this season. —	N 3. N 3 N 1.	$24\frac{1}{2}$	31	35
Wednesday, Jan.y 6.	·63 ·70 ·73	Very severe, clear above, haze below; some clouds in the day, little snow at times: cleared at 2 pm, very severe night, chiefly clear, fog below. Thermr 14° at 7 pm. — Fog increased during night.	N 0. N 0. Var. 0.	15	15	30
Thursday, Jan.y 7.	·79 ·81 ·90	Very severe with thick rime, the trees richly decked in white, sun at noon, rime returned after 1 pm, Thermr falling at 1 pm, then 22°. — Thick rime and intense severity. 8 pm Thermr 11° both on the snow & in the usual place. Less rime. — Full moon 3 pm. —	Var. 0. NW 0. NW 0. NE 0.	$13\frac{1}{2}$	15	25
Friday, Jan.y 8.	·99 ·97 ·94 ·94	Intense severity with thick rime, the sun visible. — The peculiar feelings very forcibly experienced in the ears & nose from the extreme cold. — The trees most splendidly decked, as in richest plumes. Sun bright at 2 & 3 pm and set clearer. Little haze. — Thermr 11° — 5 pm. Night clear above, haze below, perfect calm, and the cold intense. 7 pm Thermr 9°, and at 10 pm $6\frac{1}{2}$ degrees. — A long dusky cirrostratus near SW horizon 5 pm. — Thermr during night down to 4 degrees. —	N 0. NW 0. Var. 0. NE 0. During night }	6 4	7	19

January 1841.

Day.	Barometer.	January 1841.	Point and force of Wind.	Thermometer Lowest early.	At 8 a.m.	Highest State.
Saturday Jan.y 9.	29·80 ·70 ·62	Extreme severity of frost till near dawn rather abated after 3 a.m. clear except a little haze below, some cirri at 9 a.m. clear day but less severe. Brisk wind came on at noon, very piercing afterwards with flying clouds in the even.g—	SW ½ SSE 3 SE 4	4	13	29
Sunday. Jan.y 10.	·36 ·31 ·21	Drifting snow early this morn.g; overcast and foggy day, little rain 6 pm, afterwards heavy snow in large flakes. Snowy night and brisk wind. Little frost, but an inclination to Thaw.—	SE 4 SE 2. SE 3.	23	27	34½
Monday. Jan.y 11.	28·95 29·03 ·11	Overcast and heavy snow from the East till 9 am, afterwards finer, cloudy, little thaw & wind veered to Westward, chiefly overcast till ☉ set. Night clearer & frost.—	E 2. WSW 3. W 1.	29	32	35
Tuesday. Jan.y 12.	·37 ·47 ·62	Cloudy little snow with rain & sleet at intervals. Somewhat clearer after 12 noon; sunny afternoon, some cirrus and cirrocumulus.— Evening in part clear and frost. Fine night.—	WNW 2 W 3. W 1.	27	32	36½
Wednesday Jan.y 13.	·69 ·50 ·42	Frost & fine morn.g, haziness coming on & increasing. Overcast & rain 2 till 3 pm, afterwards snow & wind veered to E, at 3½ pm. Snowy evening and night; and little frost during night.—	S 2. SE 2 E 2.	27	27	36
Thursday Jan.y 14.	·53 ·40 ·35	Overcast and thawing, gloomy & damp but chiefly fine till evening.— A gale with snow and some rain after 6 pm and through the night.— Considerable snow — but partly dissolving on fall.g	ENE 2. ENE 2. NE 5.	31	34	36
Friday. Jan.y 15.	·61 ·78 ·81	Cloudy little sun at times, and gentle thaw all day. Frost again during evening. Some mottled & spotted cirrostratus, stars between, with cirrocumulus also.	NE 3 NW 1. NE 1	31	34	37
Saturday, Jan.y 16.	·81 ·62 ·50	Overcast — snow at 5 and 6 am, afterwards rain; much rain afternoon and even.g, brisk gale and thaw increasing.— very damp gloomy and wet day.— Thaw more rapid 9 pm — Th. 43°. Max in the day 39.	SE 3 SE 4. SSE 4.	29	33	43 46
Sunday, Jan.y 17.	·68 ·69 ·72	Rapid thaw all the night past, Therm. 46° at max. Great Inundations this morn.g in the vales and marshes. Clear and sunny, much cirrus ramifying about.— Scuds flying during afternoon, cirro-cumulus above, & very mild with brisk wind.—	SW 3. SW 4. SW 4.	43	43	50
Monday, Jan.y 18.	·80 ·80 ·86	Mild and pleasant, soft and cloudy morning, much cirrostratus, the snow all gone; except where drifted. Cloudy all day & not so mild after 12: Evening in part clear, and gentle frostiness.—	SW 2. W 2 NW 1.	42	42	47

January 1841.

Day.	Barometer.	January 1841.	Point and force of Wind.	Thermometer Lowest early.	At 8 a.m.	Highest State.
Tuesday, Jan.y 19.	29·89 ·91 ·97	Overcast and snowy morn.g, little rain after 9 am, snow again from 12 till 3 pm, heavy at times, but dissolving.— Evening chiefly clear and fine, with gentle frost. Some snowy clouds lying around horizon.—	NW 1 N 1. N 1.	32	34	37
Wednesday Jan.y 20.	30·09 ·14 ·20	Frost & showers of snow, sun at times: Heavy snow from 11 am till 1 pm.— Clearer afternoon and sharp frost: 3 pm 30°. Evening chiefly clear and sharp frost, gentle wind and some snow-clouds. 6 pm Therm. 24°.—	NNW 1 NW 1. NW 1.	27	28	35
Thursday Jan.y 21.	·40 ·38 ·39	Severe frost, some snow in showers, clear at times:— Afternoon chiefly clear, and continued frost. Evening and night fine & mostly clear. Some small cirrostrati below, & little more wind moderating the frost.—	NW 1. N 0 NW 2. W 1.	20	22	36
Friday. Jan.y 22.	·39 ·33 ·19	New moon 5 pm.— Hazy cirrostrati this morning & frost remitted. More hazy with scuds and cirrostrati in the day, and thawing. Cloudy & windy night, little wet, & max. temperature 9 pm.—	W 1. SW 3. SW 4.	27	33	43
Saturday, Jan.y 23.	·08 ·13 ·10	Sun bright, wind veering back again, the whole day bright with fleecy cumuli flying.— Cloudy night and stormy boisterous and cold.— Some snow at times.—	W 2. NW 3. NW 4.	34	35	42
Sunday, Jan.y 24.	29·80 ·85 ·99	Windy with storms of snow early, cold and windy morning, clouds & sun, some fleecy cirrocumuli. Black masses of cloud came on at 10 am & continued with sun & piercing wind, a freezing blast. Driving snow storms after 4 pm.—	NW 5 NW 6. NW 5	32	32	34
Monday, Jan.y 25.	30·35 ·32 ·28	Sharp frost chiefly clear at ☉ rise, but afterwards thin clouds a mottled & ribbed cirrostratus in an Arc, converging to SE.— Evening hazy, and night became overcast with a change to mildness.	NW 1. W 0. SW 0.	24½	26	37
Tuesday, Jan.y 26.	·01 ·02 ·07	Cloudy with sun and a thaw, a little wet early but the day fine, much cirrus, cirrocumulus, & cirrostratus,— some haziness, and a breeze.— Cloudy and mild evening and night.—	SW 2. WSW 2. WSW 1.	29	37	48
Wednesday, Jan.y 27.	·04 ·07 ·16 ·26	Cloudy and mild morn.g, cirri, cir'cumuli, & cir'strati.— Sunny and mild day, large cumuli flying, and fresh breeze. A mottled cirrostratus of rose colour by setting sun. Night clear.	WSW 3. WNW 3. WNW 2.	42	46	51
Thursday, Jan.y 28.	·30 ·32 ·27	Mostly clear, with fleecy cumuli till 11 am afterwards hazy and cloudy till 3, then more sun & small raggy & dense cumuli. Clear keen and more calm to night.	WNW 2. NW 2. NW 1.	33	33	43
Friday, Jan.y 29.	·22 ·25 ·26 ·30	Clouds & sun, little frost, a very fine & sunny day, cumuli clouds, and above them at 3 pm a beautiful train of dotted cirrocumulus passing from NW, in straight ranges.— — Clear and frosty night.—	NW 1. NW 1. wind calm & veering.	32	34	42

January 1841.

Day.	Barometer.	January 1841.	Point and force of Wind.	Thermometer: Lowest early.	8 morn.	Highest State.
Saturday Jan.^y 30.	30·35 ·31 ·31	Cloudy with frost, much cirrostratus of dark dusky hue, ribbed & undulated. Calm and glooming with raw coldness. — Overcast evening & fog with a little wet. — Cold and raw atmosphere.	SE 1. SE 0. SE 0.	28	31	38
Sunday. Jan.^y 31.	·28 ·36 ·44	Overcast and continual snow, heavy at intervals — with freezing atmosphere, colder as day advanced. Cloudy night, wind and frost, but less snow falling. —	ESE 3. ESE 3. E 4.	32½	32½	32½ to 29½

Conclusive Remarks, Jan.^y 1841.

Barom.^r	Highest on 31.^st 30·44 Lowest on 11.^th 28·95 Range — 1·49 Mean of month 29·83	Therm.^r	Highest on 27.^th — 51° Lowest on 8.^th & 9.^th — 4 Range — 47 Mean of month — 32·65

Principal winds NW. W. SE. & NE. Rain 0·71. Evaporation 0·60. Fine days 19.

This was a very severe month with little intermission throughout, the coldest winter for intensity and duration we have had for 21 years past, although on one night 3 years ago with us it was rather colder. — Many cases of fever prevailed of late, also catarrhs, and coughs of a bad kind among the young. — Numerous deaths of aged persons; "cynance tonsillaris" & other affections of the glands of the throat, prevalent. — The snow-drop perforated the sod during the few mild days about 27.^th particularly. —

February 1841.

Day.	Barometer.	February 1841.	Point and force of wind.	Thermometer: Lowest state	8 morn	Highest state.
Monday. Feb.^y 1st.	30·45 ·41 ·39	Frost and frequent heavy snow, with sharp wind, increasing to a piercing & strong gale during this afternoon blowing up the snow as dust. — Severe frost, evening and night, and drifting snow-storms at times. 4 pm 23°.	NE 4. NE 5. NE 5.	26 to 23	30	31
Tuesday. Feb.^y 2.	·22 ·10. ·04	Severe frost, sharp wind, flying cumuli, & sun, little snow at times: More cloudy and snow at intervals during afternoon. — Heavy snow from 4 pm all the evening and severe frost. — 4 pm. Th. 23°.	NE 4. NE 3 NE 3	23	26	30
Wednesday Feb.^y 3.	·12 ·11 ·07	Severe frost, some clouds, & little snow: more cloudy after 1 pm — & continual snow; wind nearly calm, and frost severe. Cloudy evening and night, more wind, with continued severity. 8 pm Th. 21°. —	E 1. E 0. E ½.	19	21	28
Thursday. Feb.^y 4.	29·95 ·86 ·81	Cloudy, little snow, & continued severity. — very cloudy and gloomy all day and a very piercing wind. — Clear night, lunar halo less wind after 7 pm. — Severe frost. —	E 3. E 3. NE 3.	21	22	27

February 1841.

Day.	Barometer.	February 1841.	Point and force of Wind.	Thermometer: Lowest early.	At 8 morn.	Highest State.
Friday. Feb.^y 5.	29·87 ·89 ·88 ·90	Chiefly clear and very severe frost, clear till noon, then the wind became strong, & very piercing, with grey cloudiness. — Very strong gale all the night, and generally cloudy, continued frost, but no snow falling. — The great Lunar Eclipse after midnight, hid by the clouds. —	NE 3. ENE 5 & 6. E 6. E 7.	17	21	28
Saturday. Feb.^y 6.	·86 ·83 ·82	Full Moon & Total eclipse early, but clouds hid it. High and piercing wind with continued frost. — Some sun, and scuds flying, very hazy & thick about the South all day. — Windy night, cloudy & extremely cold. — A cirrocumulus train in zenith at 8 pm. —	E 6. E 6. ENE 6.	24 21	25	26
Sunday. Feb.^y 7.	·70 ·60 ·59	Grey clouds & little sun, very severe frost, & piercing gale. Afternoon more clouded, the wind piercing, but slowly abating, and a little granular snow falling. Even.^g and night the same. The evaporation extremely great for the season. —	ENE 6. ENE 5. ENE 4.	19½	20	26
Monday. Feb.^y 8.	·52 ·54 ·57	Overcast and heavy fall of snow, wind less than for days past, but piercing still. — Continual snow all day, & very heavy after 1 pm. — Overcast & snowy evening, and night. — The snow is now considerably deep. —	NE 3. ENE 3. NE 1.	22½	23	29
Tuesday. Feb.^y 9.	·73 ·86 30·02	Overcast morn.^g, snow at times. Overcast all day, but no snow, the frost more gentle in the day. — Overcast evening and wind fresh at E. —	NE 2. NE 2. E 2.	23	24	30
Wednesday, Feb.^y 10.	·13 ·12 ·04	Cloudy — and very thick all day, but about the N horizon — an appearance of clearing off: less frost, gloomy but no downfall. — Night cloudy & thick, yet frost continued throughout. —	SE 1. SE 1. SE 1.	24½	27	34
Thursday Feb.^y 11.	29·97 ·92 ·81	Since dawn — a slight thaw — & overcast with fog. — Very foggy and overcast with little thaw all day. — More wind after ☉ set, & continued thaw — foggy & overcast. — little wet during the night. —	SSE 1. SSE 2. SSE 3.	25	34	39
Friday, Feb.^y 12.	·73 ·80 ·87	Great fog from the melted snow — calm, & the sun visible — gentle thaw. — After 2 pm — the sun broke forth & shone beautifully all the afternoon. Very little wind, & by contrast it now feels warm & pleasant! Birds chirp & sing. Sun set red in fog. Even.^g clear above, fog below. Night more cloudy:	S 0. SW 0. & 1. SW 1.	32½	37	44
Saturday. Feb.^y 13.	·78 ·69 ·56	Cloudy, foggy & damp, continued thaw: very cloudy, damp and raw all day. — Clouded night, and a little light rain at intervals, rather galy from SE & SSE. The snow dissolving apace. —	S 2. SSE 3 S & SE	36	40	42½
Sunday, Feb.^y 14.	·34 ·32 ·38	Cloudy morn.^g, fine day for the greater part, raggy cumuli & cirrostrati, trifling wet at times, but mostly sun, and mild. — The Aconite & lilac primrose opening. The snow gone, except where drifted. Night in part clear, some cirrostrati. —	S 4. SSW 5. SSW 4.	38	41	50

Day	Barometer	February 1841.	Point and force of Wind	Thermometer Morng early	At 8 morng	In the day
Monday. Febr 15.	29·42 ·36 ·28	Cloudy, much cirrostratus, and scud, after a foggy morning. Some sun, and brisk wind.— Rain after 3 pm— in flying light showers.— Windy eveng, clouds and little wet.—	S 3 SSE 3 SE 4	39	42	46
Tuesday. Febr 16.	·23 ·25 ·33	Cloudy and mild morng: a very fine and pleasant day, chiefly sun, cirri, cirrocumuli, & cirrostrati prevailing.— A beautiful cloud near the ☉ at setting— it was a plumous & undulated cirrostratus, tinged with the colours of a rainbow in richest variety, & appeared as network of coloured silks. Evening clear, a beam of Aurora Borealis to NW.—	SE 2 SE 2 E 0	40	41	49
Wednesday. Febr 17.	·35 ·42 ·52 ·67	Windy with showers early from E.— Overcast all day, very thick and misling rain at times. Wind became calm,— & veered to SW— 3pm; the Thermr slowly rising till late in the day, but at 4pm— wind again veered further. Cloudy evening and night, some wind.— Snow drop in flower, also aconite, and the yellow daffodil coming up.—	E 3 SE 3 SE 0 SW 1 W 3	34	42	44
Thursday. Febr 18.	·76 ·70 ·64	Flying scuds, and sun. A very fine day, bright sun, and flying scuds.— Evening cloudy with dark and dense clouds— and increasing mildness.— ☉ set in moist haze,— of dusky copper colour.—	SSE 3 SSE 2 SSE 1	39	41	49
Friday, Febr 19.	·71 ·80 ·88	Cloudy, gentle rain early, but chiefly fine in the day, mild and soft— much cirrostratus, cumulus and sun.— Evening and night chiefly clear and yet a Spring-like softness compared with previous state of weather.—	SSW 1 SW 2 SSW 1	40	44	50
Saturday, Febr 20.	·93 30·00 ·07	Some low clouds early, cleared after 7 am— and a very fine sunny day, warm & cheering.— Cirrus and fleecy cumulus prevailing.— The cirrus-cloud of the fibrous kind.— Primrose in flower. Cloudy and mild night.—	SSW 1 S 2 S by E 1	38	40	53
Sunday, Febr 21.	·24 ·29 ·38	Cloudy morng, lovely day, warm, calm, & sunny with fleecy cumuli & cirrocumuli clouds: New moon 11 am.— Calm & soft eveng, at times clear— a stratus below.— 5pm Thr 47°.— Sallow-currant & gooseberry buds open.—	Var. 0 NE 0 WNW 0	38	42	57
Monday. Febr 22.	·43 ·43 ·43	Thick fog from extensive stratus, continued fog all the day, with a falling of water from the trees.— Evening and night foggy and overcast, signs of frost.—	NE 0 NE 0 NE 0	35	38	48
Tuesday. Febr 23.	·42 ·40 ·40	Overcast & fog the water freezing on the trees and shrubs: Overcast all day, and some fog continues.— Night the same, and slightly freezing, but uniform calmness, and fogginess.— The fog rose out of the earth as steam on these two days— I observed it.—	NE 0 NE ½ NE ½	29	31	39
Wednesday Febr 24.	·39 ·38 ·38	Overcast and some fog: the twigs cased with ice again.— Very cloudy all day, but no fog after 10— till 4pm, then a drizzle came on. A few snow flakes during the day.— Cloudy night and the wind increased.—	NE 1 NE ½ NE 3	29	31	38

☞ I distinctly observed the fog rising out of the land on 22nd as steam from cooked food, proving again that the snow & frost within the soil are becoming fog on dissolving.

Day	Barometer	February 1841.	Point and force of wind	Thermometer Morning Early	At 8 morng	In the day
Thursday Febr 25.	30·37 ·29 ·19	Cloudy— little sleet in the morng, a drying day, dusky cumuli and sun. Much cirrostrati at 4pm— some ribbed trains of it. Drying & pleasant & wind veered— and decreased.— Cloudy night and rather mild.—	NNE 2 NE 3 NW 2	34	36	45
Friday. Febr 26.	29·91 ·89 ·64	Cloudy, little wet at times in the forenoon, chiefly cloudy, little sun, few drops of rain at intervals:— Heavy rain all the evening, & part of the night.—	NW 2 NW 1 NW 1	38	40	43
Saturday, Febr 27.	·78 ·89 ·94	Bright morng, little frost; cumuli & sun, and noon to 1pm— Nimbi with sleet, afterwards again fair, chiefly sun with cumuli clouds.— Cloudy with some sleet at 9 pm.—	NW 2 N 3 N 1	32	34	44
Sunday, Febr 28.	·92 ·90 ·82	Stormy atmosphere heavy & dark clouds of the cumuli, cirrostrati & nimbi kind— some sun; showers of hail & rain in the afternoon: Serene eveng, fleecy clouds & moon, calm & more pleasant.— Primroses for some days open, also a red cowslip in the garden,— and the saffron Crocus opening yesterday.—	NW 2 NW 2 N 0	34	33	43½

Conclusive Remarks— February 1841.—

Barom.r			Thermom.r		
Max on 1st	30·45		Max on 21st	57°	
Min on 16th	29·23		Min on 5th	17	
Range	1·22		Range	40	
Mean of month	29·89		Mean of month	34·92	

Prevalent winds from NE to SE.— Fine days 17— in number. Rain ·95 of an Inch. Evaporation 1·44 Inch.

This month was intense frost to the 11th day, and Catarrhs— Cynance— & Rheumatism prevailed, with many deaths among the aged.— The consumptive experienced also a great shock.— During the latter half of the month, some mild intervals occurred and caused some vegetative progress.— More winds from NE— than usual in February!—

March 1841.

Day.	Barometer.		Point and force of Wind.	Thermometer. Lowest early.	At 8 am.	In the day.
Monday, March 1.	29.72 ·73 ·78	Cloudy, much cirro-stratus; some undulated, and dark raggy cumuli. a little sun, but towards night more clouded, and a rainy evening, with some wind. — Cloudy night but fine after 10 pm. —	SE 2. SSE 2 SSE 2	33	36	45
Tuesday, March 2.	·76 ·69 ·52	Morng partly clear, some haze and little frost; chiefly sun in the day till after 2 pm — flying cumuli, and white ribbed cirrostratus. — Cloudy & some wet after 2 pm. — Rainy evening with squalls of wind. —	SW 2 SW 3. S 4.	32	34	50
Wednesday March 3.	·36 ·50 ·66	Clouds & sun, cumuli & cirro-cumuli in detachments some ragged & some rounded. — Large cumuli. rocky Nimbi, & cirrocumuli with sun between, & a drying breeze. After 5 pm — low clouds came on with squalls & some rain from N. till 8 pm. — Clear night after 10 pm & wind less. —	W 2. NW 2 NW 2. N 4.	38	42	52
Thursday. March 4.	·94 ·97 ·94	Clear & little frost in the morning, a bright cheerful & drying day, cumuli and cirri clouds, but chiefly sun: many forms in cirri clouds at 4 pm. — A halo about the ☽ at 7 pm — with streaks of light across it from SE to NW. — At 10 pm — it became cloudy. shower durg night.	NW 1. NW 2. WNW 1. SW ½.	31	36	47½
Friday. March 5.	·91 ·74 ·60 ·39	Some haziness with sun, and much cirrus, more hazy after 10 am, and at noon a dry blue haze on all the landscape & sky, the sun visible. — Cloudy with gale and rain at 3 pm. — The haze at noon gave a strong smell of electricity. — From 4 till 8 pm, a hard gale & heavy rain — the clouds black & raggy — Less wind & finer after 9 pm. —	WSW 1. SW 3. SW 5. S 6.	33	37	49
Saturday. March 6.	·76 ·94 30.04	Clear morng, and a very fine sunny day, cumuli clouds and some white cirrostrati. Clear moon-light eve, white mottled cirrostrati in the West, & East. — 8 pm Temp 41° — Min 40°. — Clouds after 10 pm.	WNW 2 WNW 2. W 1.	36	40	53
Sunday. March 7.	·09 ·17 ·21 ·31	Bright and mild cheering morng. brisk drying wind. **Full moon** 1½ pm. A very fine warm & sunny day some sheets of mixed thin cloud of cirrus kind, & brisk drying wind. fleecy cirro-cumuli after 3 pm. — Clear moon-light eve. ☉ set in red cirrostrati. — 9 pm — Therm 46°. —	WSW 3. W 3. W 2. & W. by N.	42	51	60
Monday, March 8.	·45 ·46 ·49	Stratus in the morng, bright from 7½ to 9, then clouds from NW, till 11; bright and very warm noon & afternoon, some dark cumuli & cumulo-strati passing at intervals. — Long sheets of fog at 8 pm. Therm 46°.	SW 0. W 1. NW 0.	34	42	63
Tuesday, March 9.	·49 ·50 ·52	Clear above, fog below; soft & calm morng: A very bright and hot day for the season, & cumuli clouds. All little flowers & buds opening — & the yellow butterfly seen. — Cloudy evening, 8 pm Therm 53°. — Night clear after 10 pm. — Delightful weather. — The stone pavements moist these 3 days. —	SE 0. SW 1. S 1.	41	44	64½

March 1841.

Day.	Barometer.		Point and force of Wind.	Thermometer. Lowest early.	At 8 am.	In the Day.
Wednesday, March 10.	30.52 ·53 ·57	Many mottled cirrostrati & dotted trains of the cirrocumuli, much dew: some haze but chiefly bright and very warm, the cirro-cumulus in beautiful beds of white and rounded compartments. Calm eveng — Therm 49° at 8 pm. — Clear and cooler night. —	S 1. S 1. SE 0.	37	43	62
Thursday, March 11.	·58 ·59 ·54	Clear & calm — much dew, congelation on some objects, a very bright, warm, and beautiful day, no cloud, light wind. — Clear night rather frosty and calm. — Every little flower and bud opens fast. Delightful spring weather. 8 pm — Therm 43.	SE 0. SE 1. SE 0.	35	41	61
Friday, March 12.	·45 ·41 ·43	Clear & calm, little frost: a very bright day, hot sun, and no cloud. The red & brown butterfly seen, 3 days after the yellow, see 9th day. — At 5 pm a calm sultriness — and the sun declining in haze of red tint. — Th 57° at ☉ set, & 49° — 8 pm. clear calm and lovely night alike with the day. —	SW 0. SW 1. W 0.	34	40	64
Saturday, March 13.	·46 ·50 ·53	Thick fog till after 7 am, bright forenoon, the cirrocumuli & white ribbed cirrostrati with scuds below. Cloudy afternoon, and fogginess came on, with colder breeze. — Th at ☉ set 41° (or 16 colder than at same period yesterday) — and at 8 pm 37°. — Night clear at times, & fog at times.	NE 0. E 2. E 2.	34	40	59
Sunday. March 14.	·49 ·40 ·34	Thick fog early, & till after 9 am. fine sunny day, dry & pleasant: some cirri, and after 5 pm a sheet of ribbed cirro-cumuli, the ribs arranged in parallel curves like the grain of elm wood, and of silver white. Some haze about the horizon — clear upward & fine night. — 8 pm Th 41°.	SE 1. SE 2. SE 1.	33	39	56
Monday, March 15.	·25 ·20 ·17.	Haze below, clear above, delightful morng: — very bright and hot day, no cloud, and nearly calm: — Unusually summer-like. 5 pm Therm 61° and at 8 pm 52°. ☉ set in red cirrostrati. Clear & beautiful star-light night.	S 1. SW 1. WSW 1.	34	41	67
Tuesday, March 16.	·07 29.98 ·91	Clear and lovely morng: a very bright and hot day, some ranges of white barred cirrostratus & cirro-cumulus at times lying from SE to NW. but none hid the sun. ☉ set in red cirrostrati. Clear eveng — Therm 47° at 8 pm. —	SW ½. S 1. SSE 2. SE 2.	38	44	67
Wednesday, March 17.	·77 ·72 ·72 ·75	Much undulated cirrostratus, & scuds: chiefly fine till 2 pm — windy with cumuli and the cirrocumuli above. Flying showers after 2 pm and black clouds. The rain too little to fix the dust in the roads. — 8 pm Th 46°. — Clear sun-set, night the same, wind ceasing.	S 2. S 3. & 4. SW 2.	39	47	60
Thursday. March 18.	·61 ·64 ·74	Stormy morng, the sky beautified with knotted & raggy cumuli, cirro-cumuli & all electrical signs. sun at times, & some black and long cirrostrati. Windy, but mostly fine, very warm, & growing. flying clouds & sun. A trifling shower at 11 am only. A mixture of electric clouds. Hazy eveng, 8 pm Th 47°. — Blue & white violet in flower these 4 days, & the whitethorn in leaf partially. garden shrubs also — such as lialock, elder, currant, and gooseberry, with some others. —	SE 4. S 4. SSW 5. S 3.	42	46	60

March 1841.

Day.	Barometer	March 1841.	Point and force of Wind.	Thermometer: Lowest early	At 8 am.	Highest State.
Friday, March 19.	29·79 ·77 ·81 ·85	Bright and very windy morng. some white ribbed cirrostrati. — The dust wherling up in the roads. — Fine & sunny till 1 pm, after 2 a storm of strong wind & beating rain from SSW till 3. afterwards more fair, but partly hazy black raggy clouds, & gusts of wind. — The rain was trifling having fallen in few large drops. Sunny again after 4, & clear evening.	SSE 5. S 4. SSW 6. S 3.	40	45	57
Saturday. March 20.	·85 ·77 ·80 ·75	Vernal Equinox, equal day & night. Bright and windy, drying & invigorating: gusts of wind driving up the dust till 1 pm with sun, & warm atmosphere. Trains of white & dusky cumuli in knotted detachments passing from SW across lower current. At 2 pm the black undulated cirrostrati with rain after 3 pm. & till 4½ pm. Fine eveng. ☉ set clear under a straight border of cloud. —	SSE 3. S by E. 5. SW 3. S by E 2.	38	45	59
Sunday, March 21.	·75 ·79 ·77 ·72	Bright sun, with gales of wind, and flying cumuli clouds; at 4 pm more hazy with black clouds, and a cloudy evening and night; with wind and some rain at times. Temperature 47° all night. —	SW 4. SW 4. SSE 4.	39	45	58
Monday. March 22.	·50 ·53 ·72	Cloudy & windy morng. little wet; and a very warm growing atmosphere: dark clouds and little showers near noon, & sun between. Bright & warm after 1 pm, boisterous wind & cumuli flying: dense & dark nimbus to SSW at 5 pm. Clear evening and brilliant Aurora Borealis. —	SSE 4. SW 4. SW 3.	47	51	60
Tuesday, March 23.	·91 30·05 ·18	New moon — 2½ am. — Thunder & lightning then 8 miles to N. Flying cumuli, wind, & bright sun: nearly the same all day, blustering, and drying, with many cumuli, cirri, and some cirrostratus, and sun between. — Evening partly clear. Night more cloudy.	SW 2. W 4. SW 3.	38	44	58
Wednesday, March 24.	·30 ·33 ·34	Bright sun, cirri & scuds; drying breeze. After 11 am — chiefly clouded, little sun, but very fine and warm. Clearer eveng, and chiefly a clear night. I saw the ☽ at her setting. Thunder & lightning durg night.	SW 3. WSW 2. SW 1.	42	48	58
Thursday, March 25.	·25 ·16 ·10	Bright, with cirrus, & cirrostratus in beautiful bars these subdivided into less bars, lying the transverse way. A bright, very warm, and lovely day, with some cirri & white haze, & a Solar halo. — All nature advancing to verdure! The unusual fineness & warmth now has brought on a very early Spring! some thunder during night.	S 1. S 2. S 1.	38	45	66
Friday, March 26.	29·85 ·74 ·69	A beautiful, sunny, & warm morng, a bed of the white dotted cirrocumulus & linear cirrus across the East at 7 am. — A lovely day, chiefly sun between knotted clouds of cirrocumulus kind, and some haziness. — A mixture of all electrical clouds. Showery & close eveng.	S E 2. SSE 2. SW 2.	39	49	66
Saturday, March 27.	·84 ·90 ·95	Many cirri in varied forms early this morng; Forenoon fine, bright with large raggy cumuli; light showers 1 & 2 pm — Black nimbi about; bright with less wind after 2 pm. Clear night.	SW 1. SW 2. & 3. SW 1.	42	46	60

March 1841.

Day.	Barometer.	March 1841.	Point and force of Wind.	Thermometer: Lowest early	At 8 am.	Highest State.
Sunday, March 28.	30·02 ·04 ·06	Very clear morng, little frost from radiation during night: very bright till noon, & a fine afternoon but more clouded — the cirrus, cirrostratus & cumulus with sun. — Warm eveng, much cirrostratus, & little wet at times. 9 pm Thermr 50°.	SW 1 SW 3. SW 2.	33	45	60
Monday. March 29.	·04 ·00 29·95	Much cirrostratus & cirrocumulus with sun — chiefly fine with many dark clouds, and occasional, sun with brisk wind: Heavy clouds with showers this evening and rainy at times during night.	S 2 SW 2 S 3.	44	49	60
Tuesday, March 30.	·86 ·92 30·01 29·98	Showery morning and dark clouds from NW — the lower current from W & WNW. — After 10 — a fine, sunny, and drying day, cumuli and wind. — Overcast and thick during evening, and some rain with lightning during night. —	WNW 3. W 3. SW 2.	42	44	57
Wednesday, March 31.	·72 ·67 ·61	Morng clear after a shower — chiefly sun till 1 pm with cumuli clouds, and high wind. — More clouds & haziness after 1 pm — some sun — and strong gales of wind. — A flying shower at 3 pm — then the wind abated. — Very windy night, rain at times, and some lightning.	SW 3 & 4. WSW 6. WSW 5.	42	47	56

Conclusive Remarks for March 1841.

Barom:		Thermom:	
Max on 11th	= 30·59	Max on 15th & 16th	= 67°
Min on 3rd	= 29·36	Min on 4th morng	= 31°
Range	= 1·23	Range	= 36
Mean of Month	= 30·01	Mean of month	= 48·145

Prevailing winds SW to S. — Fine days 20 in number. — Rain 1·24 In: and Evaporation 2·53 Inches. —

This was a remarkably warm, pleasant and summer like month, similar to April last year, but not so dry. — The sun was very bright on many days accompanied with a warm atmosphere, even so that the heat at times was beyond what is common in Spring, causing the verdure of the grass, hedges &c to come on at a very early period, and besides being a remarkably early Spring it was also a beautiful seed-time. The Cuckoo was heard at Exeter on the 13th & 14th days. — On the 25th nature was as forward as it was in the second week of May 1837!!

N.B. Cowslips in flower during the last week of March 1841. —

APRIL 1841.

Day.	Barometer.		Point and force of wind.	Thermometer, Lowest early morng.	At 8 morng.	In the Day.
Thursday, April 1st.	29.70 -74 -76	Cloudy morng with showers early, dark clouds some cirrostratus: — very cloudy most of the day, dark raggy clouds & dense cumuli, rather clearer after 3 pm. Hazy evening and wind calm.	WNW 2 NW 1 NW 0	41	44	52
Friday, April 2nd.	-67 -76 -83	Showers very early, clear morng, scuds and wind. — Chiefly bright with large rocky cumuli, Dense nimbi with hail passing round at 5pm. Clear night & cold. Some white knotty clouds glided over at 8 pm.	NW 2 NW 3 NW 0	41	45	56
Saturday, April 3rd.	-81 -76 -75	Clear & little frost this morng: cumuli, cirrostrati & sun in the day, Nimbi with distant showers, fine here. Evening & night chiefly clear, with a few thin streaks of white haze	SW 0 SW 2 SW 0	32	42	56
Sunday, April 4.	-74 -70 -63	Frosty morng: a very fine day cumuli & sun, at 1 & 2pm — dark cumulostrati & blue haze with an electric smell, & a few drops of rain: afterwards again clearer. — Eveng hazy with moon visible through the haze. —	SW 1 SW 2 SW 1	31	42	59
Monday, April 5.	-54 -61 -70	Dark clouds, raggy & long strata, little rain commenced at 7 am: — continued at times till 9. afterwards cloudy & fine, little sun, & brisk wind. Cloudy eveng, little wet: and the wind more to full E. —	SE 3 SE 3 SE 2	40	44	53
Tuesday. April 6.	-80 -85 -91	Full moon 1½ morng. — Rather cloudy & hazy morng, some cirrocumulus & sun. Cleared at 10. bright & warm with cumuli. Dense & black nimbi W & SW at 1 pm. * afterwards again clear, till ☉ set. Night overcast with keen breeze at E. I saw the Cuckoo at 8 am.	NE 1 ENE 1 E 2	37	44	60
Wednesday. April 7.	-92 -90 -91	Cloudy till after 6 am, then bright with few thin clouds till 1 pm, more hazy & cloudy after 2. — cirri and cumuli clouds. — A pleasant day. — Hazy evening, some cirrostrati, and other signs of rain. — Rain during night.	SE 1 SE 2 SE 1	36	42	56
Thursday, April 8.	-87 -87 -90	Rain early, a bright morng, with small cumuli, and fine till noon, large cumuli & cirrostrati. A black nimbus from NW at noon — divided on each side of us — a little shower. — Sunny & warm till after 2. then heavy storms of hail & rain, wind continually changing between the NW & WSW. — Fine eveng, calm and soft, with dark clouds	W 2 NW 2 WSW 1 NW 1 SW 1	41	45	56
Friday. April 9.	-95 -98 30.04	Good Friday Sun rose red & partly clear, overcast & shower of rain at 7 am, then bright sun & cumuli clouds: black nimbi passing round us — little hail at 1 pm here. Chiefly sun pm. Hasty storms of rain & hail at 4 & 6 pm, with squalls of wind. Fine night & cloudy. —	NW 1 NW 3 N 2	36	41	57
Saturday, April 10.	-17 -14 -15	Chiefly all clouded with cirrostrati and dusky cumuli. a trifling shower after 3pm — evening clearer, but rather cold and signs of unsettled weather. — The weather is now far less summerlike than it was a month since! such is our climate. —	N 0 N 0 N 0	38	42	52

* On Tuesday last a great hail-storm at Stowmarket at 1 pm.

APRIL 1841.

Day.	Barometer.		Point and force of wind.	Thermometer, Lowest early morng.	At 8 am.	In the day.
Sunday, April 11.	30.05 -07 -05	— Easter Day. — Frequent storms of hail from dark rocky nimbi clouds — & sun at times. Evening finer, but cold, and frost during night; some dusky clouds, but chiefly clear.	NE 2 NE 3 NE 1	35½	41	49
Monday, April 12.	29.99 30.04 -10	Clear ☉ rise, overcast with snow & rain at 8 am, mostly cloudy with some wet till noon, finer afternoon — cumuli & sun. Very clear evening and night, and frosty. — Signs of more settled weather returning.	NE 1 NE 1 NE 0	32	38	51
Tuesday, April 13.	-19 -20 -23	Frost early, fine sunny morng, cirrocumulus clouds in dotted trains: chiefly sun till after 12, afterwards a blue haze, and dusky blue clouds, cumuli & cirrostrati hiding the sun. Cloudy evening, and a little rain after 8 pm. — Mild air, & Barom rising.	S 0 SW 2 SW 1	29	43	57
Wednesday April 14.	-21 -14 -09	Cloudy, little wet; After 10 clearer, sun at times with cumuli, cirro-strati, and blue haze: a growing day. Cloudy evening and night little rain in large drops at 6½pm. — Warm & soft atmosphere. Thr 50° 8 pm. —	S 1 SW 2 SSW 1	42	45	60
Thursday, April 15.	-01 29.91 -90	Clear morng, much dew, hot sun as day came on — chiefly bright with cumuli clouds; after 2 pm more varied kinds of cloud, black cumulostrati & other signs of rain. — Nimbi passing on both sides at 5pm — few drops here. — Night clearer again, & less wind. — 8 pm 43°.	W ½ S ½ SW 2 1 & 0. —	37	47	62
Friday, April 16.	-84 -86 -92	Frost early, calm and sunny morng; a fine day cumuli & cumulostrati, & sun between. Evening chiefly clear — a barred cirrostratus near setting ☉ tinged red & green &c. — At 8½ pm — a bed of the ribbed cloud in zenith.	Var. 0. SE 1 SE 1	30	44	58
Saturday, April 17.	30.00 -04 -10	Chiefly clear — frosty morng — At 7 am a train of white knotted cirro-cumulus glided to W. where it lay like battlement walls in dentated strips — at 9 am. — very bright and warm day, some round cumuli only. Nearly calm & hot in the sun: A breeze after 3 pm — Clear eveng, and night, light breeze hazy on W horizon. —	S 0 Var. 0 & 1. SE 1 SE 2	31	46	64
Sunday, April 18.	-03 -04 -05	Much cirrostratus covering the sky & brisk wind Mostly clouded over till 2pm — very little sun, after 3 much clearer, cumuli, cirrostrati & sun. — Warm & pleasant eveng, trains of cirrocumulus in fleecy portions, & some haziness but the sun chiefly bright. 8 pm Thr 47°.	SW 3 SW 3 W 3-4 W 1	39	46	60
Monday April 19.	29.97 -96 -99	A shower very early AM. — Bright morng & calm, a breeze after 8 am. Flying cumuli clouds: Fine & sunny day, drying wind, cumuli, and small showers at a distance. Dusky clouds dividing near setting sun admitting his beams between in white columns. — Some dark clouds at night. —	W 0 WNW 2 NW 4 NW 2	42	48	60
Tuesday, April 20.	-89 -87 -82 -84	Bright morng, much cirrus, & streaks of haze: A fine day, calm & pleasant, but mostly cloudy with cumuli, cirrostrati & cirro-cumuli, and sun at times — clearer after 3 pm. — Calm & sunny evening. Clear night, and the wind variable and calm. —	W 1 SW 0 S 0	37	45	57

April 1841.

Day.	Barometer.	April 1841.	Point and force of Wind.	Thermometer: Lowest early.	At 8 a m.	In the Day.
Wednesday, April 21.	29·98 30·01 ·08	Breeze and flying clouds: bright and drying day, cumuli clouds, and wind. Cold and rough wind with large fleecy cumuli this afternoon sun at times. Very drying. — Evening and night nearly the same. — New moon 2½ pm. —	NE 2. NE 3. NE 3.	35	45	56
Thursday April 22.	·02 29·99 ·93	Cloudy with cold wind: clearer with sun as day came on. — Chiefly bright with loose cumuli, and the white cirro-strati in varied forms above them. More cloudy eveng. and night overcast. Thr at 8 pm 43°. — Windy & shew for rain. —	NE 2. NE 3. NE 3.	38	45	56
Friday, April 23.	·57 ·52 ·73	Heavy rain early this morng. & till 6 am — overcast, & more gentle rain till after 8. wind then veered & abated; clearer, large cumuli, some dark clouds little sun but fine till after 2 pm — then rainy & wind veering round. — Fine after 4 — and at 7 became calm and pleasant & nearly clear. — Night clear.	NE 3. SE 1. SW 1. NW 3. W 0.	42	47	55
Saturday, April 24.	·82 ·77 ·75	Clear morng much dew: very sunny till 10, more clouded near noon, but afterwards clearer windy, with a mixture of various clouds & sun, and the cirro-cumuli in white dotted trains above the cumuli flying below. — Stormy & warm night — Squalls with rain at times.	S 0. S 4. S 2.	35	47	58
Sunday, April 25.	·81 ·84 ·89	Galy with some rain early. Clear morng at and after ☉ rise. Chiefly bright with cirrocumuli, cirrostrati, & flying cumuli, very warm, but galy & boisterous. — Evening warm & windy, at times cloudy but mostly clear in part. —	SW 2. SSW 5. SSW 4.	44	51	65
Monday, April 26.	30·12 ·21 ·30	Warm, windy & sunny no dew, some cirrus, and scuds followed at 9. — A very fine, hot and sultry day, flying cumuli with sun, and wind. The wind warm to the feelings. Close & warm eveng & night — 8 pm 58°. — Little wind, in part clear, the cirrocumulus in white dots. — Lovely weather. —	SSW 4. SW 4. S 3. S 2.	52	60	70
Tuesday, April 27.	·25 ·24 ·24 ·31	Morng chiefly clear, much linear cirrus, very warm but a pleasant breeze. After 8 very clear & hot, by 9 the Thr was 67° in the shade, at 11 am 75° and at 1 pm 80. A very bright and excessively hot day, trains of cirrocumulus in white dots and some as battlement walls near 1 pm. Thermr 79° to 80° for 2 hours. a few cumuli, but chiefly clear, and but little wind. a long divided cirrostratus across the W — at 7 pm. — ☉ set in plane cirʼstrati. Clear & calm night: Thr 63° at 8.	SE 2. SW 1. SW 1. W 0.	52	62	80
Wednesday, April 28.	·30 ·32 ·30	5 morng. distant clouds in the west — rainbow and some thunder. — Cirrocumuli in silvery dots and bright sun; very bright and extremely hot through the day 9 am Thr 68½° — at 11 — 75°. & soon after 12 at 80°. but it soon fell from the E — breeze. 2 pm 76°. — For a short time as hot as yesterday, but not so hot throughout. also as warm as the same time last year. Unusual heat for the season! — Clear and calm night, the breeze ceased after 9. —	E 0. E 2. ENE 1.	51	63	80
Thursday, April 29.	·27 ·28 ·32	Very clear & much dew: very bright and hot, but a little breeze at N. No cloud but a few cirri. — At 9 am the head of distant Nimbus in SW. Cooler evening, breeze, and chiefly clear. — All nature approaching to Summer's splendour. A lovely Spring like last Year's! — The little black fly usually seen at the opening of hot weather — appeared this week as in Summer. —	NW 1. NW 1. N 2. NE 2.	45	58	77½

April 1841.

Day.	Barometer.	April 1841.	Point and force of Wind.	Thermometer: Lowest early.	At 8 am.	In the Day.
Friday, April 30.	30·35 ·32 ·30	Bright morng, cirro-cumulus in knotted divisions. much of the same all the forenoon, a very fine clear day, some cirri to SW. — Evening clear — except some cirri. — Sun set in full golden splendour: — Oak ash & elm leaf open. —	NE 2. E 2. ENE 1.	44	54	70

Conclusive remarks for April 1841. —

Barom.			Thermomr.		
	Highest on 30th	30·35		Highest on 27th	80°
	Lowest on 23d	29·52		Lowest on 13th early	29°
	Range	0·83		Range	51
	Mean of month	29·97		Mean of month	49·65

Principal wind the SW. — Fine days 23. — Depth of rain 1·14 In. — and Evaporation 3·34 inches. —

This month was changeable, and in part less warm than March, but on the whole a fine and early Spring, and near the end it became excessively hot for the season just the same as the corresponding period of last year! This is very striking! — On the 30th all nature was about as forward this month as in 1840 — constituting two succeeding seasons of extreme earliness! —

May 1841.

Day.	Baromr.	May 1841.	Point & force of wind.	Thermometer: morng early.	9 a m	In the Day.
Saturday, May 1st.	30·18 ·09 ·01	A few trains of cirrocumulus, very bright; calm and hot morng. — The same all day, & no cloud, purest blue sky, and very hot. Some dusky cirrostrati near the setting sun. — 9 pm Temp 55°. — Clear night, little wind. —	E 0. SE 1. SE 1.	41	63	77
Sunday, May 2nd.	29·80 ·76 ·81	Hot and close morng. chiefly sun, with variety of highly electrical clouds, mottled cirrostrati, and round knotted cirrocumuli; very sultry day, but windy with a variety of clouds from cirrus to nimbus — haze with halo round the sun at 11 am & after, & just before noon a whirlwind driving up columns of dust &c, wind snatching between NW & SW, very boisterous afternoon but still very hot, — chiefly sun. — Black clouds & showery eveng, thunder in the west at 6 pm. wind veering round North to Eastward. — Cloudy night:	SW 1. W 5. SW 5. W 4. Var. 1.	48	67	75
Monday, May 3rd.	·89 ·95 ·98	Cloudy morng, little rain at times; fine after 10 am — chiefly very cloudy, gloomy & cool, little sun after 4 pm. — Grey clouds & sun all the evening. Night cloudy, moon seen, & the clouds passing from W. & E. 2 currents all day.	NE 1. SE 1. SE 2	42	46	53
Tuesday, May 4.	·79 ·72 ·69 ·71	Cloudy morning & forenoon — warm & pleasant noon & afternoon — clouds breaking off as a fog — and sun shining. Cirri — scud — & sun with some cirrocumuli. — Cirrus covering the sky this evening, became red at ☉ set. — Calm & warm night, and the plants & shrubs in flower imparting delightful odours in the garden! — 8 pm 57°, 9 pm 55°. —	SE 2. SE 2. SE 0.	43	50	68

May 1841.

Day.	Barometer.		Point & force of Wind.	Thermometer. Lowest early morng	at 9 Morn.	In the Day. Highest
Wednesday May 5.	29·52 ·61 ·77	Heavy rain early this morng. & rainy till after 9 am; warm & growing morning. – Clearer after 9 – showery with gale, and sun at times. flying cumuli and raggy nimbi. – Clearer eveng & less wind. – All nature thrives. – Full moon 2 pm.	SW 1. SW 5. SW 2.	52	55	66
Thursday. May 6.	·70 ·78 ·89	Cloudy & some rain at times during the morng. fine after 11, at times bright. cumuli flying, & some black rocky nimbi at a distance. A warm and growing day; Hawthorn & lilac in flower for some days, and every tree in leaf. Fruit trees in full bloom. Evening partly clear: some cirrostrati with upper edges dentated or feathered in form. –	S 3. SW 3. SW 2.	49	56	68
Friday. May 7.	·93 ·83 ·72 ·70	Many dentated cirrostrati, & other electric signs, during the morng. a fine warm & growing day – chiefly cumuli & sun, with cirro-cumuli – more hazy after 2 pm, and cloudy eveng, black knotted clouds, and cirrostrati like those of the morng in parallel ranges, all feathered or dentated on upper edges. – Few drops at times. Cloudy night & some little rain. –	SE 2. SSE 2. SE 1.	45	60	69
Saturday. May 8.	·66 ·67 ·70 ·75	Dark raggy clouds early & till 8 am – then bright with loose cumuli and very warm. After 10 am very stormy. frequent showers flying over, and round us, black clouds, & sun at times: Evening stormy with dark clouds & showers. –	S 2. SSW 3. SW 3	50	59	63
Sunday May 9.	30·11 ·19 ·26	Clear morng a fine & pleasant day, chiefly sun with cumuli & cirro-cumuli. A nimbus in the west 1 pm. passed to N ward. – Cloudy and soft evening – brisk wind, and hazy streaks lying from S ward. – – Lilac full blossomed.	W 1. SW 2. SSE 2. (or 1)	46	60	67
Monday, May 10.	·25 ·27 ·29 ·31	Cloudy morng. few drops. clearer after 9, a very fine, warm, and growing day, many dusky clouds cumuli & cirrostrati, sun at times: cloudy evening & night. brisk wind. but warm. Therm 57° at 8 pm. –	S 2. SW 2. SW 2.	50	59	68
Tuesday, May 11.	·25 ·19 ·17 ·19	Mottled cirrostrati & sun. fine morng, chiefly clear. and a bright and hot day. Trains of cirrocumulus in knotted portions & cirrus in small scattered filaments, like locks of wool. – Dark clouds at 4 pm in SW. very distant shower close eveng cirrostrati numerous, & many dentated like battlement walls. – Laburnum in flower.	SSE 2. S 2. S 1.	48	62	75
Wednesday May 12.	·25 ·32 ·38	Close morng. cirrostrati & other clouds inosculating with rain from 7 to 8 am. – After 9 – very fine day but chiefly cloudy, very little sun, warm & growing. – Dusky cumuli & cirrocumuli mixed with cirrostrati. – Clear eveng & night. –	NW 1. N 2. N 1.	51	57	66
Thursday. May 13.	·45 ·46 ·50	Clear & calm morng. great dew; a very bright & hot day, and chiefly calm. Some cumuli after 12. – A black group of them passed over to SW – 6 pm. – Clear calm and chilly evening and night. –	N 0. E 0. Var ½. E 0.	39	60	75½
Friday, May 14.	·51 ·48 ·41	Clear & calm morng. much dew, a bright and hot day, some cirri, and haze with a halo – and cirrocumuli with cumuli. – Clear night, except a thin haze. –	E 0. E 1. SE 1.	39	58	71

May 1841.

Day.	Barometer.		Point & force of Wind.	Thermometer. Lowest early morng	at 9 morn.	Highest in the Day.
Saturday, May 15.	30·31 ·27 ·18	Bright morng. white haze slightly dims the sky. A little blue haze all day, but very fine and bright with cumuli clouds, & very hot. – Delightful weather, and all nature in highest verdure! – ☉ set in blue group of cumuli. – Clear night very warm and pleasant.	SW 1. W 2. W 1.	46	63	74
Sunday, May 16.	·04 29·98 ·90	Bright morng. close & warm. A very fine and hot day, with cirrocumuli & cumuli. some other clouds, but chiefly bright. – Many clouds and haze this eveng. and 2 parhelia one on each side of the sun at 6¼ pm. – Silvery cirrostrati there – & in the E cumuli tinged red & lines of cirrostrati over their crowns. Warm & windy night. Therm 60° – 8 pm.	WSW 2. W 2. W 3.	48	64	74½
Monday, May 17.	·78 ·71 ·66	Cloudy & warm morng. more windy, cloudy and cool at 9 am – clearer afternoon. chiefly sun, and warm but windy. The cirri & cirro cumuli in varied forms. The latter in finest dots & minute divisions. – flying cumuli below. – Much cirrus, haze, and dark cirrostratus, eveng.	SW 3. SW 4. SW 3.	49½	56	69
Tuesday, May 18.	·69 ·70 ·72	Bright with flying cumuli. and drying wind, during the forenoon – after noon black nimbi & flying showers – sun & drying breeze. – Large black & raggy clouds with white rocky heads – this eveng. some large drops fell. –	SW 3. SW 4. SW 1.	48½	59	68
Wednesday. May 19.	·59 ·45 ·36	Cloudy morng – rain from 8¼ to 10 am: more fine, (but cloudy) till noon. – Stormy day, cloudy windy & at times a little wet pm. – Eveng clearer till ☉ set. Raggy clouds followed, and rocky banks of dark clouds on W horizon. –	S 3. S 4. S 4.	47½	53	58
Thursday. May 20.	·34 ·40 ·51 ·69	Windy – cloudy with sun; during the morng. a very stormy day, every kind of cloud down to the storm cloud. Sunny & warm at times with very black nimbi & frequent showers. – Vivid lightning in zigzag streams & violent thunder near us to the NW – N – & NE – 2 pm & after, Dismally black there at the time. – Sudden gale rain & hail at ¼ to 3 – from a very black cloud from SW. – Fine evening, more settled & clearer. Wind less. – New moon 11¾ pm.	SSW 4. SW 3. SW 4. SW 2. & 1.	49	56	65
Friday. May 21.	·85 ·81 ·76	Bright & serene with fleecy cumuli, & beautiful halo in the forenoon, bright & hot noon, afterwards haze, cirrocumuli, & cirrostrati – some in fringed lines & embattled tops, black in SW. & wd E. – Cloudy eveng – little shower. Close night. –	SSE 1. ESE 2. E 2.	43½	62	70
Saturday. May 22.	·79 ·85 ·93	Sultry & oppressive – grey & dusky clouds covering the morng sun till near noon, bright & extremely hot till after 2 pm – some cirro-cumuli, & banks of rocky clouds about horizon; black cumulostrati to after 3. sun at times: Cloudy & hot night, and a blue haze, 8 pm 64°. A perfect summer-sultriness. –	NE ½. Var. 0 & 1. SW 1.	54½	64	81
Sunday, May 23.	30·13 ·25 ·32	Cloudy & sultry morng. an inter-woven mixture of clouds, cleared at 9 am. a very hot day. chiefly sun with cumuli clouds. – Large cirri tinged red with setting ☉, & dusky cir'strati in West horizon. 8 pm Thr 61°.	SW 0. SW 0 SSE ½. (or 1)	55	66	79

☞ The whole landscape for some weeks has been decked in richest splendour, the earliest & most lovely Spring known for many years! –

MAY 1841.

Day.	Barometer.	MAY 1841.	Point and force of Wind.	Thermometer Lowest early morn.	at 9 a.m.	Highest state in the day.
Monday, May 24.	30·37 ·34 ·30	Morng cloudy with little sun, a mixture of cirrostrati & cirro-cumuli, parallel lines of dark undulations as regularly ruled lines upon a bed of cloud ESE at 9 a.m. A fine and hot day, chiefly sun after noon – some cirrus; Cloudy eveng. Thr 61° – 8 pm. From 9 pm, much lightning in quick succession through the night in many points, but chiefly in the E & NE. The clouds very black in lumpy knotted parts, & parallel bars rising from ESE – but the wd NE. fresh. –	E 1. E 2. NE 2. NE 2.	45½	63	76
Tuesday, May 25.	·33 ·35 ·35	Bluish white fog all the morng wetting the trees, clearer after 8, but still clouded. At noon, and till after 2 – sun with flying clouds & knotted cirrocumulus above. more cloudy again after 2 pm. – Cloudy eveng, clearer night after 9 – pm. –	NE 2. NE 2. ENE 2.	53	57	70
Wednesday, May 26.	·29 ·26 ·22	Bright & very hot morng, no dew; some cirrus & cirrocumulus; a very bright day and extremely hot, no cloud after 11. blue haze over the landscape after 5 pm. The Thermr above 80° for an hour and at 4 pm only down to 76°. Evening perfectly clear, except the haze below – Sun set in golden splendour, & quite red, afterwards exhibiting red beams diverging upwards. 9 pm Thr 63°. A great number of immense mushrooms brought me this eveng – 1 weighing 18 oz & above 1 foot diameter!	ENE 2. E 2. E 1. E by S ½.	52	69	81
Thursday, May 27.	·13 ·10 ·04	Clear sun-rise, very bright & excessively hot the whole day, no cloud till cirrus appeared in fine lines about zenith after noon. Thermr 83° at 1 pm – & from 82° to 80° till after 3 pm. – 4 pm 78. & 8 pm 68°. – Sun set red & clear, but about the W. & S. distant clouds – & red cirri. Vivid lightning in those points after 9 – & continued all night. –	ESE 2. E 2. E 2.	55	74	83
Friday, May 28.	·02 ·05 ·13 ·17	Distant thunder & lightning all the morng, with black clouds from SW & S, passing to NW. and a little rain here, cleared after 9 – cirri, cirro-cumuli & sun – very sultry, some cumuli. – An excessively hot day, chiefly sun & near calm, cumuli & cirri with some cirrocumuli clouds. – Evening chiefly clear, & very close, Thermr at 8 pm 69°. –, long dusky clouds with rocky tops in West	SW 0. SW 0. SSE 1. SSE 1.	57½	72	86
Saturday, May 29.	·25 ·21 ·22	Chiefly bright and very hot: with beds of the mixed electrical clouds, cirro-cumuli in dots or rounded parts much prevailing. The clouds all passed in a SE current to day and the wd NW below. Black fragments of cloud nearly motionless this evening	NW 1. N by W 1. NW 1.	54	66	80
Sunday, May 30. Whitsunday.	·15 ·13 ·12	A dry blue haze early, little wind, no dew; cleared at 7 a.m. some cirrus, and chiefly bright and very hot with thin haze & halo, thick haze after 12 which increased and at 4 pm rain commenced & lasted an hour: – Many cirrostrati, but cleared off after 8 pm to a fine clear night. –	NW 2. NW 2. NW 1.	55	67	76
Monday, May 31.	·13 ·15 ·17	Bright and very hot, chiefly clear sky, small cumuli clouds, very close and sultry day and night. – Dark blue rocky clouds & some haze with a few drops falling 9 pm – & Thermr 66°. Clearer night after 10 pm.	WNW 1. WNW 1. W 0.	50	68	81

Dog-rose and Elder in flower for some days!

Conclusive Remarks for May 1841.

Barometer	Highest on 14th = 30·51. Lowest on 20th = 29·34 Range = 1·17 Mean of month = 30·019	Thermomr	Highest on 28th – 86° Lowest on 13th & 14th morngs. 39° Range = 47 Mean of month = 60·314

Winds chiefly SW & E. – Number of fine days 23. – Rain 1·45 inches; and evaporation 4·76 inches.

The month of May 1841 was on the whole a very fine and hot month, being a continuance of a remarkably early Spring. Every tree & nature all alike forwarder than we ever recorded. – The meadows yielding also the tallest crop of grass for 19 years. – Some sickness prevailed – such as a general nervous debility, languor, & loss of appetite – with disordered viscera – from the effects of the great heat. – On 27th night while I observed distant lightning in S. &c – an awful storm of lightning, thunder and hail – in Berkshire, Middlesex & elsewhere, with great devastation. –

JUNE 1841.

Day.	Barometer	JUNE 1841.	Point & force of Wind.	Thermometer lowest early.	9 morn.	Highest in the day.
Tuesday, June 1st.	30·25 ·29 ·30	Very fine, chiefly bright; and very hot, cirri cirro-cumuli, & cumuli clouds, very warm calm and close evening, some dark blue clouds with white rocky tops. Night clearer Thr 66° – 8 pm.	W 1. W 1. W 0.	51½	67	78
Wednesday, June 2nd.	·31 ·31 ·35	Bright morng, some white cirrostrati & cirro-cumuli, a very hot day, chiefly sun with white cirrostrati & cumuli. Some cirrocumuli in white dotted trains. More cloudy after 3, & very close. Some large drops at 6 pm from dark blue clouds, Night mostly clouded over. –	W 1. WSW 2. W 0.	51	69	79
Thursday, June 3rd.	·33 ·31 ·34	Cloudy morng, many cirrostrati & cumuli, all in a SW current, but the lower wd N. – veered to West with a bright and hot day after 11 a.m., a few small cumuli. Clear ☉ set, and a cool breeze from NW – sky coppery with small cumuli; Clear night.	N 1. W 1. WSW 1. NW 2.	52	62	76
Friday, June 4.	·48 ·46 ·44	Clear morng cooling breeze. Bright and hot day, some cumuli, & after 2 pm linear cirrus. Full moon 3h. 42 m. morng: – A halo came on 4 pm. Hazy & calm evening. Night in part cloudy	NW 2. NW 1. W 0.	45	62	73
Saturday, June 5.	·33 ·22 ·16	Haze & some clouds, but partially bright. Thick blue haze increasing after 1 pm – with a strong smell and brisk wind. Cloudy eveng, windy and a few light drops of rain.	WNW 1. WNW 3. WNW 3.	47	59	71
Sunday, June 6.	·11 ·08 ·06	Very cloudy, gloomy, windy & cool, no sun till 5 pm, a little rain at times flying over in dark raggy clouds. Bright evening, and trains of fleecy cirrocumulus. –	NNW 2. N 3. N 2.	47	54	57

JUNE 1841.

Day.	Barometer.	JUNE 1841.	Point and force of Wind.	Thermometer, lowest state early morn.	at 9 morn.	Highest in the day.
Monday, June 7.	30·00 29·99 30·07	Cloudy, cool, windy & little showers, sun at times peeping out: small raggy and very dark clouds with flying showers very quick in succession & sun between. Evening chiefly cloudy & little wet at times.	N 3. N 4. N 3.	43	54	64½
Tuesday, June 8.	·08 ·09 ·08	Cloudy & little rain during the morning. Very cloudy in the day, but fine, and a little sun at times. — Very cloudy eveng and little wet at 9 pm. — faly night. —	N 2. N 2. NNW 3.	47	53	65
Wednesday, June 9.	·03 ·07 ·06	Cloudy morning, clearer after 10: large fleecy cumuli and sun in the day. Mostly sunny from 1 till 3 pm: Evening and night more clouded, wind more to W, but chiefly N for some days past; and the weather uniformly the same. —	N 3. N 2. NNW 2.	47	54	69
Thursday, June 10. △ ☉ ♂	29·92 ·86 ·83	Cloudy morng. cleared after 10 — afterwards chiefly sun, flying cumuli in large loose fleeces and some cirrocumuli, with rise of temperature: evening again clouded. — windy, & very cool.	NW 2. NNW 3. NNW 3.	48	54½	74
Friday, June 11.	·79 ·81 ·85 ·89	Cloudy little wet at times, gloomy, windy, & cool morng: nearly the same all day, very little gleam of sun, dark clouds with occasional light rain, wind, gloom, & coolness. — Cloudy very cool & windy eveng — Th 8½pm 49°.	NW 2. NNW 2. NNW 3.	48½	52	61
Saturday, June 12.	·91 30·03 ·08	Cloudy & overcast with gentle rain all the morning & forenoon, fine afternoon, but cloudy. — Sun set clear below a straight edge of cloud; the rest of the sky still cloudy, and Th 49°. — Night in part cloudy. —	N 2 N by E 3 NNW 2.	48	52	59
Sunday, June 13.	·16 ·18 ·22	Cloudy with sun, during the morng, and the whole day chiefly sun, with cumuli and cirri, very fine and more cheering & warm again: Clear and calm eveng, ☉ set in linear cirri, and cirrostrati below them. — Th 9pm 46. —	NNW 2. NNW 2 SW 0.	46	53	66½
Monday, June 14.	·16 ·18 ·13 ·07	Bright morng, calm, & beds of spongy cirrus, & dots of cirrocumulus gliding from NW, cumuli following from SW. — A very fine & warm day cumuli, cirrocumuli & sun at times, wind gentle. — Dark knotted clouds with sultriness this eveng. 8pm Th 60° & at 9. 59°! A rapid increase of heat since last night. —	Var. 0. SW ½ WSW 1. W 0.	44	60	71
Tuesday, June 15.	29·99 30·08 ·23	Cloudy morng. became windy & stormy with dark clouds & a few drops fell at times, a mixture of clouds & sun. — Clear afternoon, cumuli flying, and wind brisk. — A mottled cirrostratus NW at 6pm — like an inverted cone thus [sketch] passing over soon after & followed by a clear night. — 8pm 50° & at 9. 48.	W 2. NW 3. NW 0.	53½	60	69
Wednesday, June 16.	·35 ·33 ·30	Clear, keen & dewy morng. — but a great rise of temperature as day came on. — Very fine and hot and chiefly sun, with cumuli clouds, and the cirrocumulus & cirrostratus in white forms gliding above them. Warm eveng, some cirrostrati. Th at 8pm 60°. — A beautiful train of cirrocumulus at 10pm passed over to NE — its points lying NW & SE, it exhibited a multitude of small round dots of white. —	Var. 0. WSW 1. SSE 2. SSW 2	39	60	73

JUNE 1841.

Day.	Barometer.	JUNE 1841.	Point & force of Wind.	Thermometer, Lowest early Morng.	at 9 morn.	Highest in the Day.
Thursday June 17.	30·23 ·26 ·20 ·12	Clear morng, a few white lines of cirrostratus; bright and hot day, some clouds at times, cirrocumuli and cumuli. — Close evening some dark clouds of considerable extent. 8pm Th 64° — 9pm 60°. —	SW 1. SW 2. SW 1.	50	68½	74
Friday, June 18.	·00 29·94 ·88 ·86	A thin whitish blue fog early, clear after 6, bright morng, calm & hot, much of the white knotted cirrocumulus passing over. — Very hot day and calm till near 11, afterwards a breeze, but still clear, & about the SW, W, & NW groups of cumuli cut across by bands of cirrostratus, some linear & spongy cirri in zenith. At 7pm, very black round the SW — an arc of cloud from S to W — with 3 parallel bars thus [sketch] and undulations of dense portions like festoons, a shower at 10½pm — distant thunder & lightning in S, and rain at times through the night. — Black knotty clouds, and broad cirrostrati. — 8pm Th 65°. —	SE 0. SE 3. ESE 3. SE 2.	45	69	78
Saturday, June 19.	·78 ·79 ·81	New Moon 7¼ am. — Rain till 9 a.m. lovely weather, sweet showers, soft warmth, & all growing characters. — Sun broke out at 10 and 11, Black in SW and wind veered to it, cloudy noon, few drops, fine afternoon, sun at times, and rich variety of clouds, cirrocumulus, cumuli & cumulostrati, — and very warm. — Th 8pm 56. Eveng in part cloudy. Rocky clouds piled Eastward.	E 1. SW 2 W 1.	55½	61	71
Sunday, June 20.	·91 ·89 ·86	Bright morng, and a fine day, chiefly sun, with cirro-cumuli & cumuli clouds, and some little haziness with halo, more cloudy as evening came on, windy and overcast at 8pm Th then 60°. — little wet at 9. cloudy night. —	W 2. SW 2. SSE 3.	52	64	74
Monday, June 21.	·92 30·01 ·14	— Summer Solstice, Longest Day. — Windy with hot sun, & scuds flying followed by cumuli, some nimbi at times, a hasty beating shower 1½pm, after 3 less wind, very warm & sunny. Clear ☉ set, red cirri & cirrostrati about. — I discovered to day that the greatest heat was brought on, just as the nimbi drew near & even after Sol had hid his face, — but this is not common, but a sultry air accompanied the clouds of rain!! Th 62 at 8pm.	SW 4. WSW 4. SW 1.	55½	65½	73
Tuesday, June 22.	·22 ·19 ·18	Bright morng, cirri & cumuli, with some haze; bright and very hot day, cirro-cumuli, and cumuli clouds. A still evening and many clouds of cirrostratus kind. Th 62 at 8pm. —	SSW 1. SSW 1. SSE 2. S 1.	50	64½	76
Wednesday June 23.	·13 ·06 ·02	Bright and very hot at times, many clouds of various kinds, all of an electrical appearance, from cirro-cumuli to cumulo-strati, and white cirrostrati folding over rocky heads of the latter. — Little shower at 5½pm, from a cumulostratus. Calm eveng, Th 61° at 8pm. — Banks of rocky headed clouds on the N. horizon. —	SSW 1. SSW 1. S 0. SSE 0.	48½	66	76
Thursday. June 24.	29·94 ·91 ·87	Fine, bright & very hot day, dense cumuli, and cumulostrati clouds. Calm till 1pm then a breeze: Evening clouded with cirrostrati, some undulated, & many dark clouds about S & SE. Lines of haze diverging from West horizon. — Rocky banks of clouds in West, banded by cirro-strati, at 5pm. Th 58° at 8pm.	E 0. SE 1. SE 2.	45	69	77

June 1841.

Day.	Barometer.		Point and force of Wind.	Thermometer Lowest state early	9 morn	Highest in the Day.
Friday June 25.	29.74 .66 .75	Cloudy with rain more or less from 7 a.m, till 1 p.m; cleared off afterwards with bright sun and cumuli clouds floating. Delightful afternoon; and all nature smiles.— Clear even. Th 8pm 61°.—	E 1 E 2. SW 2.	55	61	68
Saturday. June 26.	.80 .87 .94	Flying cumuli & hot sun, small nimbi & showers passing hastily over; but chiefly fine sunny & hot. afternoon quite fine, large cumuli with sun & very warm.— Evening in part clear ☉ set nearly so. & Th 62°.	SSW 2. SSW 3. SSE 2	55	68	75
Sunday. June 27.	30.07 .14 .19 .28	Morng cloudy & little rain from low scuds, clearer after 9 a.m, a beautiful mixture of clouds during the day, sunny and hot at times & hasty showers passing. A heavy storm 2 pm— loud & violent thunder with lightning close by to the ESE of us. Black nimbi & bands of cirrostrati across their rocky tops. Clear & serene eveng.— 8pm Th 59°.— Thunder 82. 5pm—{shower here.	SW 2. SW 2. WSW 1.	54½	64	74
Monday. June 28.	.18 .06 29.91	Overcast & rain from 7 a.m. till near near 12, afterwards cloudy more or less, and rain at times. Fine & cloudy eveng. 8pm Th 60°.— After 9— rain more or less through the night, at times heavy.—	S 2. SSW 2. S 2.	51	61	63
Tuesday, June 29.	.89 .91 .95 .98	Rain early & till ☉ rise. Bright morng, and very sunny & hot till after 1 pm, rocky cumuli clouds with cirro-cumulus, & bands of cirrostratus across banks of white rocky clouds.— A breeze at 2pm. from a thin nimbus passing to westward S & to NW,— but chiefly bright again & a fine & hot day.— At 6pm a dense nimbus with thunder passed 7 miles N.— Calm & pleasant eveng. and rocky clouds in S. cut across by cirro-strati as below.— Th 59°. at 8pm.— ☞ The clouds as they appeared on S horizon at 8pm June 29. 1841, at Thwaite.—	SW 1. SW 1. SW 0.	52	62	72
Wednesday. June 30.	30.09 .17 .22	Sun rose clear, the western sky covered with black cirrostrati, clouded over at 6 a.m, afterwards clearer. bright and hot till noon, afterwards rainy— very heavy showers at 2 & 3pm, dark clouds, and more or less wet till after 6pm, finer eveng, & warm, but cloudy.— Th 8pm 60°.—	W 2. W 1. W 2. & 1.	49	64	72 at 11 a.m.

Results for June 1841.

Barometer	Highest on 4th — 30.48 Lowest on 25th — 29.66 Range — 0.82 Mean of month 30.057	Thermom.	Highest on 2nd — 79° Lowest on 16th early — 39° Range — 40 Mean of month — 59.908

Prevailing winds SW. NW. & N. Fine days 20 in number.
Rain 1.67 In, and Evaporation 4.39 In.—

Conclusive notes for June 1841.

This was a variable yet dry month, till near the end, and the greater part of England suffering from dryness. the elder & dogrose in blossom before the month came in. A fine early hay-time, but the latter hay harvest was much protracted by showers.—

July 1841.

Day.—	Barometer.		Point and force of Wind.	Thermometer Lowest state early a.m.	9 morn	Highest in the Day.
Thursday, July 1st.	30.19 .17 .19	At 1 morng, some dark knotted clouds passing over, & very thick in SW.— Very cloudy most of the day, low clouds at times, with light rain. Sun only just gleaming about 9 a.m, and 2 pm.— Less cloudy after 5 pm. Very close and soft atmosphere. 8pm Th 63°.— Still cloudy.	SW 2. SW 2. SW 1.	51½	62	67
Friday. July 2nd.	.21 .24 .30	Cloudy & very close. Th at 7½ am 66½°, yet no sun,— cloudy and sultry day. little wet at times, but chiefly fine, hot and nearly calm: dark cloudiness continual. Sun gleamed at 3 pm. Calm eveng till 8pm— then wind veered with a thick blue haze. Th 62°.—	WNW 1. WNW 1. & 0. E 1.	59	67	71
Saturday, July 3rd.	.31 .26 .21	Clouded over till near 11 a.m, calm & close. bright and hot afternoon, with loose cumuli & cirro-cumuli.— Full moon 6½ pm. 8pm Th 63°. white mottled cirrostrati.—	SE 0. S 1. SE 1.	56½	63	74½
Sunday, July 4.	.12 .14 .17	Morng somewhat cloudy, with much cirrostratus; clearer & hot, with considerable sun from 10 till noon, dark clouds with showers after 12— fine afternoon— cirrostrati, cumuli & sun; calm warm & delightful eveng, ☉ set nearly clear Th 63°. 8 pm.— Stratus on vale at 10pm.—	S 1. SW 1. W 0.	57½	67	71
Monday, July 5.	.24 .22 .09	Foggy morng; cloudy till noon, very sultry. Afternoon cloudy with sun & hot, calm with sultry heat, wind veered at 4pm— Cloudy eveng & wind fresh.— Thermr 63° at 8pm.—	N 0. Var. 0. SE 2.	53	63	73
Tuesday, July 6.	29.72 .82 .95	Much heavy rain from an early hour till 10 a.m, wd veering at 8 a.m across the west. After 11 a fine day, chiefly sun with flying cumuli & wind. Some distant showers, & a little wet here at 8pm.— Th 62° at that hour.	SW 2. NW 4. NW 1.	57	62	72
Wednesday, July 7.	30.00 29.95 .78	Cloudy with sun, fine, with wind, cirrostrati, and cumuli numerous— till 1pm. then it became overcast and rainy more or less. 8pm Th 59°.—	W 2. WSW 2. SW 2.	54	62	70
Thursday, July 8.	.84 .91 30.02	Showers flying about, yet chiefly fine & sunny. cumuli clouds, & cumulostrati of dense kind, nimbi at a distance, & at 1 pm, one passed with a shower. long white cirrostrati above other clouds.— Clear eveng, 8pm Th 56°.—	NW 2. WNW 2. WNW 1.	52½	60	69

JULY 1841.

Day.	Barometer.		Point and force of Wind.	Thermometer: Lowest state early a.m.	at 9 morn	Highest in the Day.
Friday, July 9.	30·05 -·08 -·09	Very fine, chiefly sun, with cirrocumuli in white dots, fibrous cirri, & cumuli clouds, a breeze, and very pleasant & warm day.— Cumulostrati & small distant nimbi after 3 pm.— A few drops at 4¼ pm. A mountainous bank of rocky cloud at 7 pm in S. bright eveng. Thr 58° at 8 pm.— Clear night.—	WNW 2. W 2. W 1.	47	62	70
Saturday, July 10.	-·07 29·96 ·77	Very fine and bright, with cumuli clouds, during forenoon, larger clouds after 1 pm— cumulostrati & mixed kinds, with sun.— Rocky groups of cloud & cirrostrati across.— 8 pm Thr 61°.— Clouded night, and overcast for rain, which set in near mid-night.—	WNW 1. W 2. SW 2. SW 2.	49½	63	72
Sunday, July 11.	-·32 -·40 -·55	Much rain early & all the morng, wind from S. to W at 8 a.m.— Very cloudy till noon, and a little rain at times, with coolness, but after 1 pm— at times sunny, more fair and much warmer, long ranges of loose cumulostratus clouds. Max Thr at 3½ pm—67°.— Cloudy eveng, some little wet at times. 8 pm Thr 56°.—	SSE 2 WNW 2 W 2. NW 3.	51½	55	67
Monday, July 12.	·67 -·71 -·74 -·73	Cloudy morng; gradually clearer till sun appeared at 10, chiefly fine through the day, clouds and sun. The clouds mixed and various— from linear cirrus to small nimbus.— Some scattering drops from skirts of the latter. Much cirrostratus this eveng. Thr at 8 pm 56°.	W 3. WNW 3. WSW 2. & 1.	51½	59	69
Tuesday, July 13.	-·76 -·79 -·86	Very showery, cool, and unsettled, sun at times with mixture of clouds from the spongy cirrus to nimbus and rocky cumulo-strati. Evening fine & calm, but some dense rocky clouds about S horizon. Thr 56°—8 pm.	SW 2. W 2. W 0.	50	59	66
Wednesday July 14.	-·90 -·81 -·76	Bright morng, hot & close forenoon, chiefly sun with rocky cumuli & cumulostrati: after 1 pm wd SE. & nimbi collecting S & SW, with a very heavy rain for half an hour to 3 pm.— Afterwards bright again, and serrated cirrostrati in SE.— Warm eveng, calm & heavy clouds. Thr 58°—8 pm.—	S 0. SE 1. Var 0.	46½	63	71
Thursday, July 15.	-·78 -·86 -·91	Bright & hot morng, knotty cumuli clouds; continued fine and hot till after 12, then it became very black in the West with lightning, & very violent thunder close by, a little rain, afterwards continual distant thunder for 7 hours in N. NW. E. & S.—with cloudiness on all sides, undulated white lines in the N upon a dark veil of thunder-cloud. Cloudy night, distant Thunder.	NW 1. Var 0. SW 1. Var 0.	50	64	73 at noon.
Friday, July 16.	30·02 -·10 -·14	Cloudy with rain & distant thunder till 8 a.m. Fine after 8— bright and hot with cumuli, & large cumulostrati. A nimbus in the East at noon, no rain here till eveng— little shower at 6 pm.— Fine & clearer night— Thr 57°— 8 pm.—	Var 0. NW 1. E 1.	52	64	73½
Saturday, July 17.	-·19 -·14 -·10	Clear morng, and a bright and hot day, with cumuli clouds. After 4 pm scarcely a cloud. Linear & curled cirrus during eveng, and a sheet of dark haze on W horizon, the rest of the sky clear. 8 PM Thermr 60°.	SE 1. SSE 2 SE 1.	45	66	74

JULY 1841.

Day.	Barometer.		Point and force of Wind.	Thermometer: Lowest state early a.m.	at 9 morn	Highest in the day.
Sunday, July 18.	29·88 -·74 -·92	Blue fog early this morng, clear ☉ rise; afterwards much cirrocumulus, and cirrostrati with rocky fragments based on them, with dark haze, a mixed bed of all electrical clouds coming on from SE & S.— Sultry morng. Overcast with heavy rain from 10 a.m. till 5 pm;— afterwards more gentle & began to clear on SW horizon, wind abating and night became fine, and clearer.— New moon 2 pm.—	E 0. NE 1 NW 3 NW 1.	49	64	64
Monday, July 19.	-·97 -·98 ·97 -·98	Chiefly sunny & warm morng; bright and very hot till 2 pm, with cumuli, afterwards more cloudy, distant nimbi, little rain at 3, few drops only, again bright & hot. Much cirrocumulus during eveng, & very warm. 8 pm Thr 63°.—	SSE 1. S 1. SW 1.	48	64	75
Tuesday, July 20.	-·91 -·78 -·64 -·66	Cloudy morng, became overcast, warm and light rain most of the day, with a breeze. Finer evening but chiefly overcast, inclining to wet, and very warm sultry state of atmosphere. 8 pm Thr 61°, although windy, and little wet at times.— Clearer after 10 pm.—	SW 2. SSW 3. S 3. SW 3.	55	62	64
Wednesday, July 21.	-·61 -·63 -·68	Chiefly cloudy with gleams of sun, and little rain at times in light drizzles, close and sultry with blue haze.— More sun after 3, but showery again at 5, Eveng cloudy with sun. Thermr at 8 pm 60°.— Windy and rainy night but the rain chiefly light, & a warm atmosphere.	SW 3. SW 2. SW 2. W 3.	55	64	68
Thursday, July 22.	-·85 -·88 -·87 -·88 -·89 -·91	Cloudy morng, thick rain began at 7, and increased to heavy rain from 9 to 10.— More fair till 2 pm. little sun, a very black range of cloud in NW with continual thunder all the noon till it came up at 2 pm—with vivid lightning westward & loud thunder-rain from a skirt of it here.— The head or advance part of it looked like volumes of rolling black smoke. Another far more severe came on at 4 pm from WNW, with descending streams of electric matter and detonating thunder, in lumping & snapping echoes, shaking the buildings, continued till 5 pm. finer eveng— little sun. Cloudy night.—	WSW 2 W 2. WNW 2.	54	58	64
Friday, July 23.	30·01 -·05 -·12	Morng cloudy with sun, chiefly cloudy in the day, with a breeze, and a little light rain at times.— Cloudy eveng & night, trifling wet after midnight.	NW 4. NW 3. NW 2.	52	60	62
Saturday, July 24.	-·21 -·26 -·29	Cloudy morng, trifling wet, the day fine, but very cloudy with a cool breeze, the sun scarcely peeped forth at all, except a minute at 2 pm & a few minst about 6 pm.— Night clear at times after 10 pm.—	NNW 2. NNW 3. NNW 1.	53	57	62
Sunday, July 25.	-·27 -·24 -·23	Fine and pleasant, forenoon chiefly sun, with cirrocumulus & cumulus, hot at noon, more cloudy after noon, but very warm & pleasant.— After 5— again bright, calm & warm eveng. A bed of knotted cirrocumulus passed over before 7.— Some dark knotted clouds at 9 & 10 pm. Thermr 60° at 8 pm.—	NW 1. N 0. NE 0.	46½	62	74

JULY 1841.

Day.	Barometer.		Point & force of Wind.	Thermometers. Lowest state early.	9 a.m.	In the Day. Highest state.
Monday, July 26.	30·23 –·22 ·20	Grey clouds and cirrocumuli during the morning, more sun as day came on, bright and very hot with cumuli clouds, calm all day.– Very bright at 5 & 6 pm, afterwards blue & warm clouds during eveng and night.– 8 pm Thermr 63°.–	NE 0. SW ½ Var. 0 NW 0.	53	64	76
Tuesday, July 27.	–·13 –·15 –·13 –·08	Fog early, sultry morng with blue haze; dusky cirrostrati followed with low clouds & little misling wet at times. Clearer after 3 pm.– Cloudy eveng, many cirrostrati, & a calm. Thermomr 8 pm 60°. Clearer with wind after 9.–	W 0. WSW 1 WNW 2. W 0	56	67	68
Wednesday July 28.	29·94 –·91 –·92	Windy & sunny morng. cirri, cir'cumuli & scuds. More cloudy at 8 – flying clouds & trifling wet at times till 1½ pm. bright afternoon, loose cumuli and wind.– At 4 pm, a cumulostratus passed over with a sudden gale for 5 minutes – clear eveng, except small knotted cumuli, ☉set chiefly clear, with yellow lustre.–	WSW 4. W 4. & 5. W 1. 8 pm Th 59°	53½	64	70
Thursday, July 29.	–·85 –·82 –·80	Clear & windy at & after ☉rise, clouds followed – from cirrostrati to loose cumuli. – Very windy all day, flying cumuli of great extent, & mixed clouds above them. Stormy atmosphere. A dense & long cumulostratus NW. 6¼ pm – passed to nimbus in NE. – Th 8 pm 55°. Little showers during night. & lightning SE.	WSW 4. W 5. W 2.	50	59	64
Friday, July 30.	·80 ·80 –·78	Some rain early this morng.– Scuds – cumuli & sun; some cirrocumuli & cirrostrati – chiefly fine, clouds & sun alternately.– Dark cirrostrati during eveng. & little rain at 9 from them.– Th 55 – 8 pm.–	W 2. W by N 2. W 0.	49½	60	64
Saturday, July 31st. □♂☉	·68 ·67 ·70 ·74	Windy drying morng, grey clouds – followed by dark cirrostratus & scuds. Rain from 10 till 3, afterwards sunny with loose cumuli. At 5½ pm, a very black range of cloud from W to NW & N. with violent thunder, a breeze at NW quickly brought it up dividing it with a heavy storm on each side of us – severe lightning & loud snapping thunder to SW & W.– A heavy shower & hail here – & the cloud looked like rolling volumes of black smoke over us!. This is the effect of Mars in square with sun – ♂□☉.– Fine eveng after storm, but very cool. Th 54° at 8 pm & 49° at 9½ pm. – Clear & calm to midnight.	WSW 3. WSW 3. & 2. NW 3. WSW 0.	51	55	61 –

Results – for July 1841.

Baromr.	Highest on 3d – 30·31 Lowest on 11th – 29·32 Range – ·99 Mean of Month – 29·95	Thermomr.	Highest on 26th – 76° Lowest on 16th night or 17th morn – 45° Range – 31 Mean of month – 60·23

Total rain 3·86 inches, Evaporation 3·61 Inches. Prevailing winds W & NW – & the number of days pretty fine, 14.

Much sickness during the month, such as fevers, inflammatory affections of the lungs, &c.–

Conclusive Notes for July 1841.

Although the whole of vegetation had been so forward from the early Spring, the frequent showers & loss of sun of late has kept all stationary, so that harvest will be near a month later than was anticipated.– An unfavourable hay time for 5 weeks past; yet the whole of the rain which fell was wanted for all other purposes, and proved unwelcome only to the haymaker.– Garden fruits plentiful & fine, & apples abundant in places.–

AUGUST 1841.

Day.	Barometer.		Point and force of wind.	Thermometer lowest state early.	9 a.m.	In the Day.
Sunday, August 1.	29·84 –·97 30·03	At 7 am – many white cirro-cumuli passing in dotted trains from NW. – scuds followed – with cumuli & sun. Showery at noon – finer with warm sun pm – cumulostratus & mixed clouds. Cloudy & warmer eveng – Th 57 at 8.–	WNW 2 NW 2 W 0	47	58	67
Monday, August 2.	–·06 –·03 –·00	Full moon. 10 morng.– Chiefly sun with white dots of cirro-cumulus, & fleecy cumuli below; a fine and hot day. – Cloudy & sultry evening & night – 8 pm Th 61°. little rain durg night.	W 1. WSW 2 SW 2.	51	63	73
Tuesday, August 3.	29·84 –·86 ·84 –·71	Cloudy – little wet & sultry morng: after 9 fine – & clearing off – bright & hot afternoon with cirrocumulus & thin lines of haze. Increased haziness after 4. cloudy eveng & hot. Th 64° at 8 pm. Rain then set in & continued all night.–	Var. 0. SW 1. S 1.–	56	64	74
Wednesday. August 4.	–·46 –·78 –·98	Heavy rain early, cloudy & sultry morng, Th 63° at 7. cleared off after 10, bright and very warm and drying, fleecy cumuli flying. More cloudy after 3 pm – & again a clear eveng from 5 to 7 pm. A thick bed of cirrus interwoven at ☉set in WNW. – 8 pm Th 56. – A beautiful sky after 10 – beds of cirrocumulus in knotted divisions of black & silvery white passing the moon.–	W 0 NNW 3. N by E 4. N 3. SW 0.	58	63	73
Thursday. August 5.	–·93 –·86 –·79	Vast beds of cirrocumulus in knotted portions of silver white, & a second train of a dusky hue, below them. Chiefly bright & very hot till noon, afterwards much cirrostratus, cumuli & scuds – with wind – yet very sultry. – At times clear & at times cloudy during eveng, & little scattering showers about 7. – Th 62 at 8 – & sky cleared.–	SSW 2. SSW 4 & 5. SSW 4.	53	67	74
Friday, August 6.	–·71 –·75 –·92 –·97	Flying scuds & cumuli & near noon – very little sun, very windy – but more sun after 3, and large loose cumuli: many confused cirri in NW during, and a beautiful bright Mock-sun for an hour – from 6 pm. – Th 61 at 8 pm.	SW 4. W 6. W 4.	57	62	64
Saturday. August 7.	30·03 –·01 29·97	Thin cumuli & sun, with a very warm breeze; A very fine and hot day, chiefly sun, and cirrocumulus with thin cumuli. Many cirrostrati this evening, and close atmosphere Thermr: 64° – 8 pm. – Cloudy night.–	W 2. SW 2 SW 2.	58	65	73

AUGUST 1841.

Day	Barometer		Point and force of Wind	Thermometer lowest state early	9 a.m.	Highest in the day
Sunday, August 8.	29·87 ·84 ·79	Cloudy morng but dry cirro-cumulus clouds & scuds. – More clouded and rain at times, between 9 am & 1 pm, then clearer and very close sultry air. – Showery from low cirrostrati during eveng. Red ☉ set: the tint thrown up to zenith. Very warm – Thr 62° – 8 pm. –	SW 3. SW 2. SSE 1.	58	65	67
Monday, August 9.	·75 ·76 ·83	Hazy morng; chiefly cloudy till noon, afternoon bright with beautiful white-headed cumuli. At 6 pm two cumulostrati passed nearly over us with a few drops. Clear evening except distant cumulostratus on horizon & a cirrostratus behind it with a fring on lower edge gilt by setting ☉: the ☉ being behind the cloud – which looked stormy. – Thr at 8 – 58°. – night clear. – some meteors.	SW 1. SW 2. SW 2.	53	61	69
Tuesday, August 10.	·93 ·98 30·00	Clear morng – bright with cumuli as day advanced – and a fine sunny day with cirrus, cirrocumulus, cirrostratus, & cumulostratus with cumulus, some drops from these at 1½ pm. – Eveng pleasant with mottled cirrostrati clouds, Thr at 8 pm 60°. – Undulated & dark cirrostrati at 9 overcast night.	SW 2. SW 2. SW 1.	51	62	71
Wednesday, August 11.	29·72 ·64 ·62 ·70	Heavy rain early, and chiefly rainy till noon, showery afternoon sun at times, dark and raggy clouds – but a very warm & sultry air. At 6 pm became very cloudy and dark with a blue haze, afterwards a gale with some wet from NW. Much colder – 8 pm 58°. –	S 2. SSE 3 SW 3. W 4. NW 5.	56	62	71
Thursday, August 12.	·96 30·02 ·09	Clear morng except loose cumuli, chiefly sun & cumuli in the forenoon, but more cloudy about 1 & 2 pm, & at times during the afternoon with occasional sun, dark mottled cirrostrati prevailg in a NW current & a W wind below. – Eveng calm & nearly clear. 8 pm Thr 55°. Night became more cloudy with dark knotty clouds & cirro-cumuli.	NW 4. W 3. W 0.	51	59	63
Friday, August 13.	·03 ·01 29·97	Very clear and calm morng; a fine, sunny, and hot day, cirrus, cirro-cumulus, & cumuli clouds; more cloudy after 2 pm. Dark cirrostrati with a few drops at 6 & 7 pm. – Close night & a beautiful display of knotted cirrocumuli, in white and black ranges. – 8 pm Thr 60°. –	SW 0. SW 2. SW 0.	45½	62	74
Saturday, August 14.	·77 ·81 ·89	Cloudy and rainy morng till 10. afterwards bright & hot till after 3 pm. cumuli & cumulostrati about; at 3¾ pm – black nimbus with a drenching storm & thunder. – Fine & sunny eveng with banks of rocky clouds on WNW horizon 6 & 7 pm. – Clear calm, & warm night with several Meteors from N. – 8 pm Thr 60°.	S 1. SW 4. SW 3.	54½	65	73
Sunday, August 15.	·88 ·88 ·93	Cloudy & little wet early, chiefly fine and sunny in the day, close & hot; various clouds from cirro-cumulus in dotted sheets – to cirrostratus & distant nimbus. Black undulated cirrostrati this eveng & few drops. – 8 pm Thr 60°. Night clearer after 9 – calm and soft atmosphere.	SW 1. SW 1. SW 0.	53	63	73

AUGUST 1841.

Day	Barometer		Point and force of Wind	Thermometer lowest state early	9 a.m.	Highest in the day
Monday, August 16.	29·99 30·05 ·10	Clear ☉ rise, afterwards fog from West till 9. then cloudy till after 11, afterwards bright and hot with cumuli clouds, a serene afternoon. – The small black fly tickling the face and becoming numerous on walls. Calm & close eveng, with vast beds of cirrocumulus in white dots, & linear haze, Thr at 8 pm 61°. – New Moon 9½ pm. –	W 1. W 1. W 0.	52	60	73½
Tuesday, August 17.	·11 ·13 ·21	Cloudy morng, very warm & sultry. Bright at noon & till after 1, and very hot with loose cumuli & cirro-cumuli, afterwards clouded at times with some drops. Very sultry evening – with black knotted clouds. 8 pm Thr 64°. some warm rain at 9 – from the black knotty portions of heat clouds. –	WSW 2. WSW 2. SW 0.	55½	63	76
Wednesday, August 18.	·27 ·32 ·34	Blue fog early, slowly clearing off with cirrocumulus above it – very sultry morng: – and the day very hot and close, chiefly calm, sun at times with many cumuli & the cirro-cumulus in white fleecy dots. – The little flies still numerous. Red ☉ set. chiefly clear above, stratus on the vales. – 8 pm Thr 62°. –	Var. 0. NW 0. Var. 0. SE ½.	58	68	77
Thursday, August 19.	·38 ·36 ·32	Thick fog early and till 9 a.m. more or less; bright and very hot day with light cumuli, and little wind, no clouds after 3. but a thin white haze, which thickened about horizon, so that the sun set red & clearly defined, and lines of haze intersected the orb like the belts of Jupiter, till he became lost near the horizon in lead-coloured vapour. –	SE 0. SSE 1. SE 2.	55½	68	78
Friday, August 20. △☉♄	·20 ·08 ·00	Fog till 8 a.m. – bright and very hot morng. the fog passing off – & white serrated & undulated cirrostrati in NW. – The day throughout very bright and extremely hot, with a light breeze Thermr 80° for an hour till 2½ pm –. 3 pm 79°. 4 pm 75°. 5 pm 73½°. 6 pm 71°. & 8 pm 65½°. No cloud except linear cirri collapsed along the WNW – and some in dotted lines – with others as the feathers of a quill – Sun set golden tint. Clear, calm & lovely night. 10 pm Thr 61°.	SE 1. & 2. SSE 2. SE 0.	54	70	80
Saturday, August 21.	29·82 ·80 ·85 ·96	A clear red ☉ rise except a low bank of cloud on the E horizon. – Sheets of cirrocumulus in white dots followed from SW. Very hot morng Thr at 8 – 71°. and a very hot day, chiefly bright with electrical clouds now breaking off from a distant Thunder-storm to SW early. ranges of rugged cumuli & fine lines across them, also sheets of grained & undulated cirrus. A beautiful sky, and charming day. – Clouds dense & dark about West at 6 & 7 pm – but a clear ☉ set, & clear night. 8 pm Thr 60.	SSE 1. SW 2. WSW 3. W 3. & 1. –	57	73	79
Sunday, August 22.	30·07 ·11 ·09 ·09	☉ rise – clear; a sheet of mottled cirrostratus & cirrostratus soon hid him – from 5½ to 8 a.m, afterwards chiefly bright with many cumuli & small cirrostrati, distant showers, – and windy but chiefly fine here. – 8 pm – Thr 61°. & beautiful flocks of white cirrocumulus in round dots, & some black lumpy detachments – & long black cirrostrati in the west. –	SW 2. SSW 4. SSW 2.	49	63	71
Monday, August 23. ☌☽♂.	·00 ·02 ·06	Light rain at times, with cloudiness till noon, afterwards bright with cumuli clouds, calm and close. – Eveng chiefly clear; except to NW. Thr 8 pm 58°. – Rocky clouds gilt by ☉ set. – a mixed bed of cloud in NW & up to zenith at 6 pm exhibiting light & shade in streaks as caused by the ☉.	SSE 1. SW 0 W 0.	56	62	70

Day.	Barometer.	AUGUST 1841.	Point & force of Wind.	Thermometer: Lowest state early morng	at 9 morng	Highest in the Day.
Tuesday August 24 ☌ ☽ ♃.	30·15 -·24 -·29	Clear morng, fine & sunny forenoon with cumuli rocky & dense. — Black nimbi with thunder in the North before 1 pm — and heavy showers — large hail, vivid lightning & violent thunder came on at 1 — till after 2pm. — Clouded till near 4, then bright again & calm. — 8pm Thr 54°. Some clouds at night. —	W 1. NW 3. N 2. Var. 0.	49	59	69
Wednesday. August 25.	-·23 -·23 -·25	Overcast with light rain at times till near 4 pm, afterwards clearer, gradually clearing off till after ☉ set. Sultry & calm. Thr 61° 8pm. — Chiefly clear at 10 pm. Haze below. —	SW 1. SW 1. SE 0.	47	58	64
Thursday. August 26.	-·32 -·37 -·41	Foggy & close morng: cleared off slowly by 10 am, very bright and extremely hot & sultry from 11 am — with fleecy cumuli. — The minute fly is again abundant. — Evening calm & excessively sultry. Thermr 73° — 6pm. & 68 — 8pm. — Blue & grey clouds clearing off — & ☉ set clear. — Lines of dotted cirrocumuli about the S. SE. & zenith. — but chiefly clear after 9 pm — Thermr 65° at 10. — Oppressively hot night.	SW 0. SW 2. SW 0.	57½	67	78
Friday. August 27. △ ♂ ♅. △ ♂ ☿ – △ ♂ ♀	-·42 -·40 -·36 -·38	At 3 am — clear above, fog below, grey ripple clouds at ☉ rise. — 8 am Thr 72° — ! A most excessively hot day, & chiefly sun with very little wind. Some haze at times, with cirrocumuli and cumuli clouds at 1 & 2 pm. — Thermr 85° before 1 pm, and above 80° till 4 pm, then 79° at 6 — 74½° — at 8 — 70°, & at 10 — 67° ! — Lovely night, chiefly clear, except round white cirrocumuli rendered luminous by ☽. — ☉ set clear. —	SW 0. SW 1. SW 1.	62	76	85
Saturday. August 28. △ ♂ ☿.	-·33 -·35 -·34 -·35	Clear ☉ rise, cirri tinged red in the N. & in zenith, linear haze & cirri at 9 & 10 am — from SW to NE, afterwards no cloud — very bright and hot, & little wind. Calm & lovely evening, ☉ set red below a blue cirrostratus. 8 pm Thr 66°. Serene night — moon red & clear; some blue clouds.	W 0. NW 1. W 0.	55	68	76½
Sunday. August 29. △ ♂ ♀.	-·33 -·30 -·26	Fog early, some cirri & cirrocumuli at 8 am — very bright day, and extremely hot, with cumuli clouds few & small, & nearly calm. — Lovely eveng. ☉ set very red & well-defined in blue haze, & cirri upward. Thr 82° at 1½ pm —, 5 pm 75°, & at 8 pm 65. Streaks of light flashing across zenith from N, at 9 pm & after. —	Var. 0. SW ½. SSW 1. & 0. —	53	69	82
Monday. August 30.	-·18 -·12 -·07 -·09 -·07	Sun rose in full golden splendour! Stratus on the vales, very bright & hot morng; and so continued — extremely hot with small cumuli after 12 cirrocumuli & a little blue haze, but still bright. Thermr 118° in open space in sun & wind, & 82° in shade 1 pm, at 2 — 81°, at 3 — 79°, at 5 — 75° & at 8 — 65. — ☉ set in blue cirrostrati, cirri above. — Clear night & bright moon. Clouds after midnight.	SW 1. SW 2. SSE 0.	55	72	82
Tuesday. August 31.	29·96 -·97 -·95 30·01	Sun rose red & clear; a mixture of electrical clouds passed over, cirrocumuli & raggy & rocky cumuli some inoculated with a few drops at 9 am. — & a dark cirrostratus at 11 am, when large drops fell. — Very hot & sultry till 11, afterwards many dark cirrostrati and little rain at times. — Calm & sultry till 5 pm, distant thunder S-ward. — A breeze & rain after 5 pm. — Thermr 60 — 8pm. Night finer & clearer after 9 pm. The last fortnight has been fine and very hot for the greater part, and good harvest weather — Gratias Deo.	SW 0. SW 0. NNW 3.	58	72	77

Conclusive notes for August 1841.

Baromr	Highest on 27th	30·42	Thermomr — Highest on 27th	85°
	Lowest on 4th	29·46	Lowest — 13th early	45·5
	Range	0·96	Range	39·5
	Mean of month	30·0356	Mean of month	63·75

Prevailing wind — SW. — Rain 2·36 In. Evaporation 4·28 In. and fine days 22. —

This month in part was unsettled, but after the 14th it was generally very hot, and fine for the harvest — and by 31st a greater part of the toils of the field were completed, but the quality of the corn is inferior to what we have seen of latter years. — Apples and plums abundant, pears not so. — Much sickness in many places during the month. — Disordered viscera prevalent. — An alarming thunder-storm at Liverpool and elsewhere on 24th early in the morng. — Two churches in Liverpool nearly destroyed then by lightning. —

Day.	Barometer.	September 1841.	Wind — point and degree of force.	Thermometer: Lowest early in morn	9 a.m.	Highest in the day
Wednesday. Septr 1st.	30·14 -·19 -·17 -·15	Clear morng, cumuli followed, chiefly sun, and a fine — hot day, with cumuli clouds. Wind veered at 3pm, & again at 5 pm. Evening clear, a few clouds about setting ☉. 8pm Thr 56°. — Full moon at 1½ am. — Very clear night. —	NW 1. SW 2 SE 2.	51½	62	72
Thursday. Septr 2nd.	-·05 29·99 -·94 -·96	Clear ☉ rise, Stratus on vales, very bright & hot morng and the day the same, with a breeze, and white cirrostrati in mottled elliptical stripes. — Warm eveng — and converging lines of cirrus & cirrostratus from S to N. 8pm Thr 59°. — A long line of the cirrostratus across W — came over at 10 pm in same form. —	SSW 1. SE 4. SSW 3	48½	64	73
Friday. Septr 3. □ ♃ ☉	-·91 -·85 -·76	Bright and very hot morng, much cirro-cumulus, and in SW horizon bands of cirrostratus across rocky heads of storm-cloud. — The same in W. and NW all day, and very bright and hot day, with a breeze. — Cirrocumulus & haze came on in SE — after 3 — & general blackness followed at 5 — with rocky heads & undulated festoons. Violent thunder-storm commenced at 6, and continued more or less distant till 10 — with awful lightning in all points, and most detonating crashes of snapping thunder at times, and rain at intervals. Very heavy at 6½ pm. — Sultry air — Thermr 65° 8pm. —	SSE 3 SE 3. SE 0 & 1	50	68	76 Thr 109° in ☉.
Saturday. Septr 4.	-·61 -·66 -·88	Morng chiefly cloudy, with mixed & dark clouds — change to coolness after 6 am — & Thermr fell till noon. Grey cloudiness & wind till 12 — but fine —; afterwards wind veering with a cold gale and beating rain. — Dark and boisterous. Thermomr 53° at noon —, 55° at 1 & 2, and then falling again. A remarkable contrast to yesterday. — Great storm of wind & heavy beating rain, from 4 pm to 7 pm, then abated. — 8 pm Thr 47° — had been 46°. — rain ceased before 10 — & at 11 — a clear night. —	SSE 3. SW 4. W 5. WNW 6 & 7. W 3.	59	56	55

Day.	Barometer.	September 1841.	Point and force of Wind	Thermometer Lowest early morn.	at 9 morn.	Highest in the day.
Sunday. Septr. 5.	29.99 -.92 -.94 -.93	Clear morng. at 7 the cirrocumulus in sheets followed by cumuli & all other clouds yet chiefly fine & pleasant till near 11. little rain at times about noon & after 1 pm - afterwards fine, & sunny with a mixture of rainy clouds presenting a handsome sky. - ☉ set in part clear under dark cirstrati. 8 pm Thr 48°. Clear above stratus on the valleys & elsewhere. -	W 0. W 0. SW 0.	43	54	60
Monday. Septr. 6.	-.88 -.88 -.90	Clear and cold morng. very white dew, very bright and pleasant day, with small cumuli only, and little wind. Calm eveng. & bright, with dense rugged cumulostrati. - 8 pm Thr 50°. Some black clouds, but in part clear.	W 0. W 1. NW 0.	38	55	63
Tuesday. Septr. 7.	-.93 -.87 -.72 -.73	Clear and chilly morng. haziness & clouds followed after 10 - gleams of sun till noon with cir'cumuli, cir'strati & haze, afterwards more cloudy with rain, very thick at times till after 6 pm, wind then veered to SW again - and it became finer & warmer, but cloudy. 8 pm Thr 56.	SW 1. SSE 2. SE 3. SW 3.	38	56	62
Wednesday. Septr. 8.	-.83 -.99 30.11	Clouds & sun in the morng. a few drops at 8 - Clear - sunny, fine & warm day, with cumuli clouds. Very pleasant & bright. wind veering between WSW & WNW after 3, a breeze at times, but at 8 pm calm with dark patches of cloud, warm eveng. Thermr 58° at 8½ pm. -	SW 2. SW 3. W 2. & 0.	52	61	69
Thursday. Septr. 9.	-.21 -.20 -.19 -.20	Foggy morng. calm & close; cleared off at 9. a singular kind of sky all day, many clouds mixed some inosculated with a few drops. - broad lines of haze lying longitudinally, and cirrocumuli with serrated cirrostrati. Little gleams of sun, and very sultry. Similar clouds all the eveng. and some in knotted divisions. 8 pm Thr 62°. -	SW 0. SSE 1. SE 0.	51	62	71
Friday. Septr. 10.	-.14 -.19 -.17 -.20	Clear ☉ rise. afterwards fog till 9 am, a very bright and extremely hot day, no clouds except a white train of grained cirrus in SW at 1 pm. Thin blue haze after 2 - giving a strong scent, but the ☉ bright. Thermr 112° in ☉ & wind. - and 78° in shade for near an hour. - Clear ☉ set - trains of cirrocumulus dotting the sky in S & SE. 8 pm Thr 65°.	SW 1. SW 2. SW 1.	58½	68	78
Saturday. Septr. 11.	-.21 -.23 -.22	Grey clouds & sun early. fog at 8. after 9 became very bright and extremely hot, clear & calm. The heat most excessive in the afternoon, beautiful dots of cirrocumulus came on at 4½ pm, Thermr then only down to 75° and at ☉ set 70° - & 8 pm 65°. - Some dark mottled cirrostratus - fringed by distant fall of drops in NW at 5½ pm. - Thermr at 1 pm. 131° in sun, 81° in shade.	SW 0. Var. 0. SE ½.	57	64	81
Sunday. Septr. 12. * The cirrocumuli near the ☉, tinged with prismatic tints at 2½ pm.	-.17 -.14 -.11	Pure golden ☉ rise, very bright with excessive sultry heat, no cloud all day to hide the sun - but handsome trains of small white dots of cirrocumulus* lay around at 1 & 2 pm. - A fresh breeze wafting puffs of heat. - Clear ☉ set - & remarkably hot evening & night, light breeze all night, no dew. - 8 pm Thr 67° & at 9 pm 66°! - Clear night except thin cirrostratus eastward with silent lightning in them at 10 pm. - A lovely night.	SE 1. SE 3. SE 3.	59	74	81

Day.	Barometer.	September 1841.	Point and force of Wind.	Thermometer Lowest state early	at 9 a.m.	Highest in the day.
Monday. Septr. 13.	30.10 -.13 -.11	Pure sky & golden ☉ rise; a very bright and hot day, with brisk parching breeze, a cirrocumulus train at 11 am passed over. - Charming weather. Some tufts of cirri near setting sun. Clear night & a breeze. 8 pm Thr 66°. -	ESE 3. ESE 3. ESE 2.	60	70	75
Tuesday. Septr. 14.	-.07 -.09 -.04 -.02	☉ rose as before - some cirri in cross intersecting ranges at 8 am. bright and very hot with converging lines of mixed cloud lying from SE to NW, formed of flocks of cirrocumuli, fleecy cirrostrati & cirri; - sometimes dimming the sun. The same breeze continues. Eveng. close & hot, with haziness & mottled cirrostrati tinged red. 8 pm Thermom 67°. black knotty clouds here & there. -	ESE 2. ESE 3. SE 2.	60	70	75
Wednesday. Septr. 15.	-.08 -.10 -.07 -.10	New Moon 6 am. - Variety of electrical clouds, with much cirrocumulus. Very sultry. Distant thunder in violent jarring claps at 8 & 9 am, in black clouds SSW. - Undulated cirrostratus now came over with a short shower. A parhelion S of sun at 7. Many cirrostrati with little rain till after 10 - fine with sunny gleams at noon - bright in SW all day after 10 - more cloudy pm. all electric clouds mixed. - Cleared off at 5½ pm - ☉ set clear, cirrostrati above tinged gold & rose-colour. Thr 60° - 8 pm. - Much lightning during night in SW SE & E, and meteors falling to SW. Chiefly clear. - A lilac tree in bloom a 2d time now!	S 0. SW 0. SE 1. SSW 1.	62	69	70
Thursday. Septr. 16.	-.05 -.00 -.02 -.04	Beautiful morng. grey and silvery cirrocumuli & cirrostrati decking the pure blue & sun shining: many mixed electric clouds in handsome beds but fine. very hot and chiefly bright till 12½. black nimbi pm - with thunder and heavy showers. - Fine and clear eveng. 8 pm T. 59°.	S 1. SW 1. SW 0.	55	67	73
Friday. Septr. 17.	-.10 -.11 -.12	Very clear and dewy morng. bright and very hot day, with cumuli clouds, and calm atmosphere. Lovely weather still. Clear evening, and pure golden sun-set. Perfect calm. Soft and beautiful night. 8 pm 57°. -	W 0. NW 0. NW 0. Var. 0.	49	62	73
Saturday. Septr. 18.	-.04 -.06 -.08 -.12	Early this morng. clear & dewy. longitudinal beds of barred and mottled cirrostratus followed at 7, & continued passing in white converging trains till noon with sun-shine. - Very bright, calm and hot afternoon. Another delightful day. - Golden ☉ set, 8 pm Thr 60°. - Calm night, grey clouds. -	NW 0. NW 0. NW 0.	46½	61	73½
Sunday. Septr. 19. □ ♄ ☉	-.20 -.22 -.24	Thick fog till after 8 - cloudy till after 9 - then a bright, hot and sultry day - some cumuli, and cirrocumuli. Continued summer weather. Grey clouds moving off in one veil to Westward at 6 pm - from East: 8 pm Thr 60°. A little wind rustling the trees at 8 - from ENE & ESE, afterwards E 1. - Cloudy calm & close night. -	NW 0. NW 0. E 0.	51½	62	73½
Monday. Septr. 20.	-.30 -.31 -.29	Foggy during the morng; warm & calm. - Fog cleared off or rose to higher stratum; very cloudy with grey general cloud, and no sun; but still warm, and a breeze came on at East. Cooler after 3 pm, and continual cloudiness. Evening cloudy, some stars seen, 8 pm Thermr 58°. -	Var. 0. E 1. E 2. E 2.	57	63	67

September 1841.

Days.	Barometer.	September 1841.	Point and force of Wind.	Thermometer. Lowest state early	at 9 a.m.	Highest in the day.
Tuesday, Septr. 21.	30·22 ·12 ·03	Clear at 5 & 6 a.m. then cloudy with low clouds till about 10. afterwards bright, with flying cumuli of loose kind, & some cirri half collapsed, with a brisk drying breeze. Evening chiefly clear; continued breeze, 8 pm Th. 56°, by 9 pm risen again & at 10 pm 57½°.	E 2. E 3. E 3.	51	62	68
Wednesday, Septr. 22.	29·85 ·83 ·85 ·87	Partly clear at ☉ rise, electrical clouds in groups, rocky cumuli on horizontal cirrostrati, spongy & varied cirri, & cirrocumuli. — An Arc of dark cirrostratus across the S & SW at 8: — rain before 9 a.m. increased to very heavy rain till 10. after 11 it became fine, rocky cumuli & cumulostrati with cirro-cumuli & linear cirri, and hot sun-shine from 12½ noon through the afternoon. At 6 pm. a fine rocky crown of distant nimbus on SE horizon, red with twilight rays. 8 pm Th 57°. sun set in a rocky cloud. — Night in part clear	E 1. SE 2. S 1. SW 1.	54	60	69
		Exit of Summer Quarter. Autumnal Equinox.				
Thursday, Septr. 23.	·80 ·82 ·82	Heavy shower 3 am from SSE. 7 am 2 parhelia of bright prism colours, and groups of rocky and rugged clouds. intersected by cirrostrati, and many mixed clouds, cirro-cumt above, and a deep blue cloud skirting west. — Showers with thunder in the S & SE at 11 a.m. bright and beautiful afternoon, scarcely a cloud, but rocky cumuli on horizon NW & N. — & tufts of cirrus Eastward. — Much cirrus and haze this eveng. and a Paraselena E of the ☽ at 7½ pm. Thermr 55° at 8. —	S 1. WSW 2. S 1. S 2 & -0. —	54	60	66
Friday. Septr. 24.	·73 ·72 ·76	At 5 a.m. extreme heavy rain, and more or less rainy till 9, — a very showery day with sun at times; heavy rain about noon. — Fine & clear after 2 pm, some dense haziness in the evening, and streaks of it converging from zenith to NW & SE. — 8 pm Th 54. —	S 1. SSE 1. S 1.	52½	59	62
Saturday, Septr. 25.	·61 ·64 ·72	Heavy rain early this morng, bright after sun-rise till 11 a.m. Showers flying then. — Fine and bright afternoon, rocky cumuli and cirri. Sun set in rugged clouds. — some haze at 8 — Th 56°. Aurora Borealis in an Arc of bright yellow — throwing columns across the zenith, some red light also, and several meteors. Also two paraselenæ at 8½ pm. Elder & lilac putting forth new flowers!	S 2. SW 4. SW 2.	51	60	66
Sunday, Septr. 26.	·63 ·63 ·66	Black nimbi rising in S. at 7 a m, and extremely heavy torrents of rain came on from 7½ till near 9. — Afterwards chiefly fine, at times bright, with mixed clouds of rainy kinds, cumuli, & cumulostrati &c. — Clearer evening 8 pm Thermr 56. — Banks of cloud W & SE. —	S 1. SSW 1. SW 1.	51	56	65½
Monday, Septr. 27.	·59 ·67 ·77	Bright at times, cumuli, cirrostrati, and small nimbi with showers about, fine here except a few drops. — Dense black clouds, haze & Aurora Borealis — eveng, 8 pm Th 56°.	S 0. WSW 2. SW 1.	50	58	64
Tuesday, Septr. 28.	·53 ·51 ·44	Much heavy rain early for several hours. Cloudy windy and warm. — Chiefly cloudy and little rain at times all day. Clearer & finer after 5. sultry eveng, Thermr highest during night, 4 pm 64° 8 pm 62° but afterwards 65°. Cirrocumuli in dots of white, and broad cirrostrati, with wind. —	S 5. SSW 2. S 2. SSW 4.	54	61	65

September 1841.

Day.	Barometer.	September 1841.	Point and force of Wind.	Thermometer. Lowest state early	at 9 a m	Highest in the day.
Wednesday, Septr. 29.	29·28 ·45 ·58	Beating storm 6½ a.m. with hard gale. High wind scuds, loose cumuli, & sun through the day, a trifling shower flying at 1¼ pm. but mostly fine sunny and drying. Wind strong, yet very warm. Moon partly clear this eveng, but some cirri and haze about. Thermr 59° at 8. —	SW 6. SW 6. SW 3.	56	62	67
Thursday, Septr. 30.	·40 ·38 ·55	Much rain early. and very showery all day with little sun, windy & clouds flying, but very warm. — **Full moon** — 4¼ pm. — Clear eveng, moon bright, a sheet of cirrocumulus glided to NE at 7 pm. — 8 pm Th 54°.	SSE 1. SW 4. SW 2.	55	60	67

Barom.r { Highest on 20th = 30·31; Lowest on 29th = 29·28; Range — 1·03; Mean of month = 29·9345 }

Thermr { Highest on 11th & 12th = 81°; Lowest 5th & 6th nights — 38; range = 43; Mean of month — 60·925. }

Winds mostly SE to S — & SW, rain 3·80 In, Evaporation 3·15 In. —

Number of fine days — 17. —

The month of Septr 1841 was very warm throughout; and up to the 21st day, it was chiefly very fine, and at times very hot and true summer — weather, especially near the 12th day, which was a most lovely time. — After the 21st Extremely heavy rains became frequent to the end of the month. Still it continued remarkably warm, and the mean temperature of the month was far beyond that of the same period for very many past years! —

October 1841.

Day.	Barometer.	October 1841.	Point & force of Wind.	Thermometer. Lowest state early.	8 a.m.	Highest state.
Friday, Octr. 1st.	29·63 ·60 ·62 ·71	Morng cloudy with much cirrostratus, low clouds with little wet at times till 12. clearer then with combating clouds on various tacks, the lower current driving scuds, while the west became black. at 1 pm. a heavy shower — and a dense cloud glided to ESE with continual violent thunder, veiling the East in black, & many scuds passing in cross winds afterwards scuds & cir'cumuli, and very warm. 6 pm. round cirr'cumi & broad cir'strati — 8 pm T. 55. —	E 0. E 0 NE 1. Var 0.	48	53	64
Saturday, Octr. 2nd.	·87 ·92 ·95	Morning chiefly clear, and a very bright, calm, warm and pleasant day, a few small cumuli and cir'strati in silvery lines. — Clear eveng, thick mist on the valleys, golden patches of cloud by setting ☉ — 8 pm T. 49°. Clear night, and calm. Stratus on marshes.	WSW 0 W 0. N 0.	47	51	64
Sunday. Octr. 3.	·94 ·95 ·95	Chiefly cloudy more or less, and rain at times, gloomy, damp, and rather unpleasant. — Warmer towards night; but mostly overcast with occasional wet. 8 pm Th 53°. —	NW 0. NE 2. NE 2.	45	52	57
Monday, Octr. 4.	·88 ·73 ·58	Cloudy and little wet. Very cloudy. damp, & unpleasant. rain at times. Evening & night cloudy and mild. 8 pm Th 55°.	N 0. NE 2. NE 2.	51	54	57

October 1841.

Day.	Barometer.	October 1841.	Point & force of Wind.–	Thermometer: Lowest early	8 morn	Highest state.
Tuesday, Octr. 5.	29·30 ·22 ·15	Morng cloudy and warm, little rain at times, clearing on SW horizon: became clear & fine by 10 – fine sunny noon & afternoon, with cumuli and rocky cumulostrati about. – A small nimbi & little shower at 4 pm; huge rocky clouds tinged red, about S & SE & E horizon. Vivid lightning there, with thunder, 8 pm. – A singular stream of light darting upwards between the clouds in SE, 7¾ pm. Heavy rain after 10 – which continued. –	SE 0. SW 1. SW 3. S 3–4.	51	53	62
Wednesday, Octr. 6.–	28·97 ·98 ·99 29·01	In part cloudy, a bank of rugged rocky clouds in S, with coppery crowns at 7 & 8 am – cirrostrati across. Mostly cloudy through the day, and very little sun; clouds various from fleecy cirrostratus to cumulostratus. – Rocky red crowned clouds again in SE – 5½ pm – intersected by cir'strati. – Eveng partly cloudy.	Var 0. SW 1. SW 2. SW 1.	48	50.	57
Thursday, Octr. 7.–	·11 ·20 ·23	Chiefly a clear morng, much cirrus in various forms, a very pleasant, fine, sunny & warm day, with cumuli clouds: after 3, formidable cumulostrati to SE, and Nimbi NW – distant 7 miles or more. – and a large nimbus in WSW at 4 pm, – which passed to NW & W with vivid lightning and loud thunder, at 5 pm. The cloud very black, and columns of rain visible from its under edge which was raggy. – clear & calm eveng – Thr 51° – 8 pm. –	SW 1. SW 2. SW 2. S 0.	44	50	62½
Friday, Octr. 8.–	·27 ·36 ·52	Thin cloudiness early, cleared off at 9 am, for a short time cloudy with little sun, but fine till after 12, then very showery; evening cloudy and rain at times. Overcast about 9, clearer afterwards. –	SW 2. SW 1. W 1.	47	50	58
Saturday. Octr. 9.–	·78 ·88 ·95	Cloudy morng, little wet, clearer after 10 – bright with handsome cumuli, and cumulostrati, cheerful sun-shine most of the afternoon. Evening in part clear, but clouds in patches. Night became clear and serene. –	W 2. NW 2 W 2	47	48	60
Sunday, Octr. 10.	30·00 29·95 ·82	Chiefly clear with white cirro-cumuli in lines here & there: a fine warm, drying and pleasant day, but windy as day advanced, much cirrostratus & scud. Overcast & warm eveng, rainy & windy night. – Close and stormy atmosphere. – Poplars and some other trees shedding leaves fast.	SSW 1. S 4. S 5.	44	47	62
Monday, Octr. 11.	·65 ·75 ·69	Stormy morng, became fine & clear after 8, – very fine and chiefly sun till after 3, a little shower at 4 pm. – Drying & very warm about 1 pm & after: Evening and night more stormy and heavy rain at midnight. –	SW 4. W 4. S 3.	53	55	63
Tuesday, Octr. 12.	·42 ·37 ·57	Fine and sunny forenoon, cirrostrati & cumuli, large & heavy clouds after 12 – with rain soon after 1 pm: – finer with many dark clouds during afternoon. Stormy evening and night with some rain.	SW 1. SW 2. Var 1. WSW 2.	47	50	59
Wednesday, Octr. 13.–	·90 30·09 ·12 ·09	Chiefly clear, except cirri in the morng, a fine day, clouds & sun, with drying wind, white horizontal lines of collapsed cirrus, and some mottled cirrostrati, cumuli below. – Hazy eveng, and darker bars of clouds parallel to each other as waves on water, in a train from NNW to SSE. The waves lying distinct in zenith as they passed to SSE, their extremity smoothed off & pointing ENE & WSW. Rain after 8.	W 3. NW 3. W 0. SW 2.	44	47	57

October 1841.

Day. –	Barometer.	October 1841.	Point & force of Wind.	Thermometer: Lowest early	8 morn	Highest state.
Thursday, Octr. 14.	29·90 ·92 ·90 ·88	Very warm, flying clouds & sun; – a fine drying day, windy and very warm, trains of white cirrocumuli in dots, and cumuli with cirrostrati below. – Windy and cloudy evening and night, very drying. 8 pm Thr 56. New moon 4½ pm.	SW 4. SW 4 & 5. SW 5.	47	57	65
Friday, Octr. 15.	·57 ·64 ·81	Clear, windy, fine & drying morng; very stormy and windy day, with flying nimbi, and trifling showers, but chiefly fine, very drying and mild. – An extensive black storm cloud about the N. 5 pm – it came up with a heavy rain, and the evening stormy more or less. –	SW 5. WSW 5. NW 4.	51	53	61
Saturday, Octr. 16.	·78 ·40 ·48	Heavy rain from 5 am till after 10 am. fine but cloudy the rest of the day; dark raggy clouds, clearing after 5 with a gale at West, and the evening drying & partly clear. – Wind strong after 8 pm. –	SSE 2. SW 4. W 5. 6 & 7.	42	45	57
Sunday, Octr. 17. ☌♄♂	·68 ·51 ·53 ·51	Cloudy morng, became overcast with rain at 9 am; continued wet and gloomy till 11, afterwards fair, and a bright afternoon, with strong drying gale, yet very warm: rocky cumuli passing, but chiefly clear to ☉ set. Eveng clear & windy. Some clouds after 9. Hard gale. –	SW 3. W 6. W 6. SW 6.	42	46	62
Monday, Octr. 18.	·42 ·51 ·97 30·04	Flying clouds, and hurricane from WSW – W & WNW during the morng; became coldest near 9 am, some rain from 9 to 10 – wind abating: bright noon but cold & boisterous. A black cloud with a shower at 2 pm, afterwards clear & wind less. – Streaks of Aurora at 6½ pm – some from W across zenith, and red tints more N-ward. –	W 7. WNW 7. WNW 5. W 0.	47	51 to 44	54
Tuesday, Octr. 19.–	29·60 ·84 30·03	Much rain early, finer after ☉ rise. Cloudy morng, bright noon and afternoon with some cumuli clouds, and cold wind: clear ☉ set: and clear night, with a light breeze. – Drying air, and more serene. –	SE 0. W 2. NW 4.	40	45	50
Wednesday, Octr. 20.–	·01 29·91 ·76	Clear and drying morng; a very bright, fine, & drying day, cumuli clouds; clear and windy evening and night till clouds came on near midnight followed by rain. –	SW 3. SW 3. SW 4.	38½	42	56
Thursday, Octr. 21.	·89 30·08 ·22	Storm of rain very early; clear & cold morning, a fine, bright and drying day, with a few cumuli clouds, and cold wind. – Clear and frosty night; and became calm after 7 pm – Thr 36½ at 8 pm. –	NW 3. NW 4. W 2.	37	39	49
Friday. Octr. 22.	·27 ·20 ·09	Sharp frost & the ground and roofs of buildings very white with it! A very fine and pleasant day, some haziness, and grey cirrostrati in mottled beds, and sun gleaming. Eveng and Night hazy and milder. –	WSW 0. S 2. S 2.	31	35	50
Saturday, Octr. 23.–	29·67 ·42 ·28	Cloudy morng, trifling wet; fine forenoon gleams of sun, & warm, frequent rain after 1 pm – and very thick at times. – Cleared off after 5 pm. Clear moonlight eve, but became afterwards a stormy night. – Suddenly warmer to day after yesterday's frost! A common occurrence. –	SSE 3 S 3. S 1.	41	46	58

October 1841.

Day.	Barometer.	October 1841.	Point and force of wind.	Thermometer Lowest state early 8 am	Thermometer Highest state in the day
Sunday, Octr. 24.	29.00 .05 .10	Rain early, cloudy morng, stormy till noon, and gusts of wind. Fine and bright afternoon, many white woolly cirrostrati & spongy cirri. Beautiful ☉set, a clear stripe of sky of a green tint and lines of cirrostrati of golden brilliancy. Fine night, cirrocumuli & moon.	SW3. SW4. SW1.	46	49 53
Monday, Octr. 25.	.16 .31 .38	Fine serene morng, chiefly bright all day, & very pleasant & warm. Rocky cumuli & white cirrostrati. — A stratus coming on at 5 pm. Night clear above, except a sheet of mottled cloud at times. Stratus below.	SW0. SW2 SW0.	38	42 55
Tuesday, Octr. 26.	.46 .52 .60	Clear above, fog below, and hoar frost, a bright and pleasant forenoon & till 1 pm, then more cloudy, with a little wet, cumulostrati & nimbi with electrical appearances. — Clear moonlight at 6 pm, afterwards rainy & windy at N.NE. —	Var. 0. NE 2. NE 2.	32	35 57
Wednesday, Octr. 27.	.62 .53 .59	Cloudy but chiefly fine till 1 pm, afterwards overcast and dark, with heavy continued rain, through the evening, and night. Rivers overflowing. —	NNE4. NNE5. NE4.	45	47 51
☞ Thursday, Octr. 28.	.72 .77 .86 .95	Excessive rain for 18 hours to this morng at ☉rise, and great floods over all our vales. Continued cloudy & rain at times during the morng, and the afternoon overcast with thick rain, but less heavy than yesterday. Finer night, moon shining. Some Aurora Borealis.	NE4. NE5. NE5.	46	47 49
Friday, Octr. 29.	.95 .96 .97	Cloudy morng became overcast and rain re-commenced. Chiefly clouded over all the day, & little rain at times. — Evening at times finer, moon shining, flying clouds with occasional showers. —	NNE3. NNE2. NNE4.	43	46 51
Saturday, Octr. 30.	.89 .84 .86	Overcast and continued wet with but little intermission; the same all day, but after 6 pm nearly calm, and mild atmosphere. & mere mizzle falling. — Full moon 7 am. Still night mild & damp.	NNE4. NE4. NE½ v0.	44	47 50
Sunday, Octr. 31.	.98 30.00 .03	Cloudy morng, but became clear after 10 — a calm and warm day, sun at times, and large loose cumuli & cirrostrati. Mild & still eveng, grey fleecy clouds & moon. — Loose flocculi of cirrocumuli. —	SE0. SSW1. S1.	48	50 56

Baromr.		Thermomr.	
Highest on 22nd	30.27	Highest on 14th	65
Lowest on 6th	28.97	Lowest on 22nd	31
Range	1.30	Range	34
Mean of month	29.643	Mean of month	50.66

Prevalent winds – SW & NE. Depth of rain 5 inches, & 1 tenth; evaporation 1.65 In. — fine days only – 13. —

This month was excessively rainy, with great floods!

November 1841.

Day.	Barometer.	November 1841.	Point & force of Wind.	Thermomr. Lowest state 8 early am	Thermomr. Highest state
Monday, Novr. 1st.	30.00 .03 .13	Overcast, calm, dark, and drizzling, rain heavier from 6 to 8½ pm and more wind, with signs of a change. — Night chiefly clouded; rain less.	W0. NW0. NW2.	46	48 50
Tuesday, Novr. 2nd.	.29 .32 .37	Overcast & raw morning, clearing off to a very bright, warm & pleasant day, cumuli and scuds, but mostly sun. Clear & calm night. flimsy cirrocumuli passed off.	NW1. NW1. N0	45	47 55
Wednesday, Novr. 3rd.	.45 .47 .51	Clouded with lofty grey divisions of clouds, calm & serene morng, a very fine, calm, and mild day, grey clouds in flocks, and little sun at times. — A stratus in long strips over the valleys this eveng. wd to NE again.	E0. E0. SE½.	40	44 55
Thursday, Novr. 4.	.51 .50 .52	Fog below, flocculi in grey beds above, — and a very fine, calm, mild and pleasant day, some sun, and flocks of grey divided clouds. — Beautiful ribbed cirrocumuli near ☉ at 3 pm. & cirrostrati in lines of gold & rose tint at ☉set. —	NE0. NE0 NE0.	36	38 54
Friday, Novr. 5.	.50 .51 .52	Golden ☉rise, chiefly clear, a stratus on the vales in strips across the tree tops. — A very fine, sunny & warm day, with fleecy cumuli, and light airs from SE ward. — ☞ Swarms of gnats playful in the outward air for these 3 days past! — Evening mostly clear, a stratus at 10 pm. —	E0. SE1. SSE1.	39	41 56
Saturday, Novr. 6.	.53 .51 .49	A stratus of bluish colour, chiefly foggy till 11 am, then clearing. Very bright, cheerful, and pleasant afternoon, light breeze. Some linear cirri, & mottled cirrostratus. — Evening mostly clear. —	S2. S2. S2.	35	44 54
Sunday, Novr. 7.	.50 .51 .49	Clear above, fog below; became a very bright warm & lovely day, little breeze, and varied cirrus cloud, & dotted beds of cirrocumulus; Eveng calm & beautiful, clear above, fog below. — Thr. 8 pm 42°. —	S1. S2. SW0.	39	42 56
Monday, Novr. 8.	.44 .40 .42	Foggy morng. linear haze & speckled trains of cloud from SW to NE – converging, the NW clear, & became so here at noon. Very bright, pleasant and lovely till after 2 – when a thick blue haze enveloped the lower atmosphere – no cloud & the sun shining with salmon-coloured rays, the haze like the smoke over a large city. – sun set red & well defined. – Clear till 8, a meteor fell across Ursa Major at 6 pm. — Night cloudy after 8. —	SW1. SW2. SSW1.	39	42 54
Tuesday, Novr. 9.	.37 .32 .29	Cloudy morng, and keen air, a very fine sunny, and drying day, tufts of cirrus, and some cumuli clouds. Cloudy evening, windy & drying. Roads quite clean.	SW2. SW3. SW3.	37½	38 52
Wednesday, Novr. 10.	.20 .21 .19 .17	Mottled cirrostrati & beautiful sheets of network cloud from reticular cirri & undulated & dotted cirrostrati. Windy & drying day, sunny in general till after 2, converging lines of mottled cirrostrati. Grey clouds came on after 2 pm. — ☞ Gathered a dog-rose, primrose, meadow crowfoot, yarrow, daisies, cinquefoil, & red behen in flower!	SW4. WSW4. WSW3.	43	45 55

November 1841.

Day	Barometer	November 1841.	Point and force of Wind	Thermometer Lowest state early	8 a.m.	Highest state
Thursday, Novr. 11.	30·06 ·10 ·07 ·12	Clouded with cirrostrati, little wet at 7½ a.m. afterwards fine & chiefly sun with flying cumuli. A very bright and pleasant noon & afternoon, drying and cheerful. Some lined & reticular cirri & other fancy-form white clouds. Cumulostrati N'ward. Clear eveng. —	W 3. W 2. W 3.	46	46	55
Friday, Novr. 12.	29·76 ·59 ·57	Heavy rain from NE early A.M. — Cloudy forenoon, with a veering of wind from E by the S. & SW. to W. — Afternoon bright & at times with loose cumuli. — A dark nimbus passing Southward to E. 4pm. Clear eveng, a meteor passed from NE to W. 6pm. rocky clouds of copper tint at ☉ set.	NE 2. E 2. SW 2. W 3. W 3.	35½	43	48
Saturday, Novr. 13.	·47 ·48 ·37	Flying cumuli cirrostrati. sun & wind, chiefly sun with cumuli & keen wind till 4pm, afterwards clouded, rain & sleet at 5pm. Overcast eveng & night. and snow at times. New moon 5½ am. —	W 4. W 4. W 2. & 1.	36	38	46
Sunday, Novr. 14. —	·05 ·08 ·43	A gale and heavy snow from 5 to 7 am in large flakes. Very stormy all day, strong wind, hail & snow at times, and some rain. A very boistrous & cold day. — Clear and frosty night. Stars bright.	NW 4. N 6. N 7.	32½	34	41
Monday, Novr. 15.	·60 ·56 ·47	Sharp frost. linear haze, and chiefly thick & hazy through the day — little sun — raw and cold, but near calm. — Cloudy & raw eveng, dense lumpy clouds floating from Eastward. —	NW 0. Var. 0 E 0. E 0.	28½	30	39
Tuesday, Novr. 16.	·52 ·55 ·63	Hazy with sharp frost; became clear after 10, a bright and fine day, but very cold, some spongy & curled cirrus. — Orange tint & clear ☉ set. sharp frost & bright stars at night. —	NW 1. NW 2. NW 0.	28	29	37
Wednesday, Novr. 17.	·79 ·82 ·69	Sharp frost. clear sky; very bright and fine day. but more pleasant after noon & less keen. — Some cirri, and in SW a cirrostratus at 3pm. — Sun set in streaks of haze. Overcast night, less frost. —	W 0. SW 0. SW 1.	26½	28	41½
Thursday, Novr. 18.	·44 ·60 ·74	Dark clouds, with hail & snow, during the morng, and chiefly clouded with snow at times. Clear evening and sharp frost, stars bright. 8 pm Thr 29°. — Aurora Borealis very brilliant.	E 2 E 4. NE 0.	31	36	39.
Friday, Novr. 19.	·69 ·52 ·40 ·42	Overcast, rain, snow, & gale. The gale continued with beating rain, overcast & dark. Became calm & clear after 5, afterwds cloudy & some wind from W.	SE 4. SE 5. W 2.	27½	36	44
Saturday, Novr. 20.	·52 ·30 ·32	Thick fog, continued more or less till noon, sunny noon, some cirrocumuli; after 2 again overcast windy & some rain at times; a dense nimbus and storm of rain at 5pm. — then cleared off to a moon-light eveng. Warmest at 5pm. —	SE 1. SE 1. SSW 4. SW 2.	34½	36	49

November 1841.

Day	Barometer	November 1841.	Point and force of Wind	Thermometer Lowest state early	8 a.m.	Highest state
Sunday, Novr. 21.	29·60 ·42 ·42	Rather galy from West & NW during night past, & afterwards from Southward; Cloudy morng and wind gentle after 6. became windy with a heavy beating rain from 10 till 12, windy mild and rainy at times after noon. — warmest after 4pm — Cloudy and very warm all night.	S 3. SE 4. SW 5 SW 3.	39	41½	54
Monday, Novr. 22.	·28 ·33 ·42	Cloudy rain at times & unusually warm, furniture, brick floors & metallic articles covered with moisture indoors! Cleared off at 11, sunny & warm, with boisterous wind. cirrocumuli & flying cumuli clouds. — rocky cumulostrati brightened by moon's rays eastward 6pm. Stormy eveng, night fine. —	SW 3. SW 5. SW 3.	51	55½	58
Tuesday, Novr. 23.	·75 ·82 ·84	Beautiful golden ☉ rise, no cloud. Clear morng & colder, very fine and bright with some cirri, — during forenoon — hazy at noon, but clearer again — Eveng hazy calm & mild. A fine halo about the moon. Haze increased.	SW 2. SW 1 SW 0.	34½	37	46
Wednesday, Novr. 24.	·93 ·98 30·00	Chiefly a clear morng. and a fine sunny day, some tufted cirri, but no other clouds except cirrocumuli at times. Clear & frosty moon-light evening, and a little wind.	SW 1. W 1. SW 1.	33½	35	45
Thursday, Novr. 25.	29·90 ·89 30·00	Sharp white frost, a very fine, bright and cheerful day, but cold. Some fleecy cirrocumuli at times. — ☉ set red in golden haze, clear above. — Very clear and sharp frost night. —	SW 0. W 0. WNW 0 NW 0.	28	30	41½
Friday, Novr. 26.	30·05 ·00 ·02	Clear above, brown & red haze below, very white and sharp frost, very bright and fine till after 2, a ribbed cirrostratus very near zenith from SE to NW. — After 3 more clouded; a handsome sheet of ripple-cirrocumulus 6pm. Hazy night.	Var. 0. SSE ½. SE 1.	25½	26	41
Saturday, Novr. 27.	29·86 ·79 ·76	Overcast. little wet. thick fog as day advanced. Very thick all day, fog, and at times rain. Evening finer but very foggy. More calm and mild. Storm of rain after midnight. —	SE 1. SE 1. SE 0.	32	39	45½
Sunday, Novr. 28.	·75 ·73 ·70	Hazy clouds & sun. fine till 2pm — more clouded — blue haze & showery then, afterwards stormy appearances, rocky cumulostrati with coppery tints. Full moon 6½ pm. Eveng partly clear. A lunar halo 7 pm. — Stripes of cirrostrati in west at ☉ set.	SW 2. SW 3. SW 1	42½	44	50
Monday, Novr. 29.	·30 ·29 ·10	Overcast & stormy, rainy till 10 am — very heavy storm of drenching rain from 8 am till 8½ — & again after 9 a.m. Sunny noon, but cloudy again. Stormy eveng & night, galy & beating showers. very warm.	S 4 SW 6. SW 3 = 7. to 7.	41	52	54 at 10pm. a 2d Max. = 56
Tuesday, Novr. 30. —	·04 ·12 ·26	Windy & warm, with dark raggy clouds; very galy with beating storms, little sun at times. Evening stormy, but finer after 8 pm. — Silvery cumuli. —	SSW 6. SW 6. SW 5.	51	53	55

Conclusive notes or Results for November 1841.

Barom.r	Highest on 6th 30·53 Lowest on 30th 29·04 Range — 1·49 Mean of month 29·872	Therm.r	Highest on 22nd — 58 Lowest on 26th — 25·5 Range — 32·5 Mean of Month 42·933

Rain 2·51 inches. Evaporation 0·79 inches. Fine days 19. Prevalent winds SW. SE. E & N.

This was a variable month — chiefly very fine to the 11th day — afterwards changeable, and at times very wet and stormy — with great mildness, yet sharp frosts intervened. — Great floods on 29th & 30th. — About the 8th to 11th day — I plucked — a dog-rose — primrose — daisies, yarrow — crowfoot, cranesbill, cinquefoil, red lichen, all in flower — & buds of hawthorn & bramble flowers, while in the garden — carnations — cloves, anemones, asters, virginia stock &c opened blossom!

December 1841.

Day	Barometer	December 1841.	Point & force of Wind.	Thermometer lowest state early	8 a.m.	Highest State
Wednesday, Dec.r 1st.	29·54 ·30 ·49	Hazy and mild morng, lunar halo after 6. Cloudy, and chiefly overcast all day, damp and mild. — Heavy rain at times, evening and night. — Mild and close state of atmosphere.	SSW 1. SE 1. SE 1.	43	44	50½
Thursday, Dec.r 2nd.	·61 ·60 ·53	Morng chiefly clear — some rocky clouds on East horizon. — A fine day cumuli clouds and sun, mild and somewhat cheering. Cloudy evening, mild and many stormy prognostics.	SSE 1. S 2. S 3.	43	43	51½
Friday, Dec.r 3rd.	·20 ·16 ·28	Some rain early, cloudy mild & stormy atmosphere. — Chiefly clouded, and windy a few drops at times. — Became clear and stars bright after 7 pm. — Wind abated after ☉ set.	SE 3. SE 4. SW 6.	45	48	53
Saturday, Dec.r 4.	·37 ·44 ·60	Chiefly clear. Cirrocumuli in curdled flocks, became cloudy after 11, and the afternoon overcast, rain at times. — Finer night but overcast & windy.	SSW 3. SSW 4. W 5.	41	43	48½
Sunday, Dec.r 5.	·93 30·02 ·13	Windy, cloudy, drying morng, clouds lofty in blue & grey layers. A fine drying & windy day — grey cloud & sun. — Eveng in part clear. A large meteor with a long white train near 8 pm — from N to S — over zenith nearly. Another from E to W after 8 — across Ursa Major.	WNW 6. WNW 5. WNW 3.	43	45	48
Monday, Dec.r 6.	29·90 ·71 ·70 ·76	Overcast — & beating rain after 4 a.m. — and the same continued. A very wet and dark day. Wind veered 3 pm, but rain continued till 6 pm. — Night chiefly clear after 9. wind less. — Vales again flooded.	SSE 4. S 5. WNW 5.	38½	46	51½
Tuesday, Dec.r 7.	·96 ·96 ·90	Fine morng — chiefly clear. A fine sunny day, some small hazy cirrostrati clouds, more cloudy after 3 pm; Overcast eveng and night, and some rain after 10. very warm night. —	W 3 W 2. S 2.	37½	41	48½

December 1841.

Day	Barometer	December 1841.	Point and force of Wind.	Thermometer Lowest State early	8 a.m.	Highest State
Wednesday, Dec.r 8.	29·56 ·43 ·48	Overcast and very wet from beginning of morng to 10 a.m., afterwards bright with cumuli, cumulostrati and other handsome clouds — but of stormy character. — Night became clear after a cloudy eveng. —	WSW 2. W 3. WNW 4.	43½	50	53
Thursday, Dec.r 9.	·87 30·00 29·87	Clear morng, fine and bright day, frosty air. some grey & thin cirrostrati after 2 pm, and others more raggy & of bluish tint followed; overcast and rainy eveng after 8 pm. — Min night Temp 37° 6 pm — then rising all night. —	NW 2. NW 1. SSW 2.	36	36	42
Friday, Dec.r 10.	·48 ·35 ·55	Cloudy & warm morng, dark clouds, became overcast and thick rain. rainy more or less the whole day, but at 4 pm — became more fair; clear evening & night, with a gale at NW, very boisterous & gusty, some Meteors.	SW 2. W 1. N 1 & 2. NW 6.	45	49	49½
Saturday, Dec.r 11.	·89 ·94 ·97	Bright, drying & windy day. barred cirrostrati & cumuli. — Evening and most of the night clear — & windy. — After midnight became overcast for rain. —	NW 5. W 4. W 4. WSW 3.	36	38	44½
Sunday, Dec.r 12. ♃ □ ☉	·75 ·62 ·60	Cloudy with rain, the same more or less till noon, finer afternoon, less cloudy, but windy & stormy. New moon 9½ pm. — Cloudy warm, and stormy night, and some rain at times. —	S 1–2. SW 4. W 5. SW 4.	37	41	51
Monday, Dec.r 13.	·50 ·38 ·37	Cloudy and warm morning, dark raggy clouds, and dense cumulostrati, little showers — finer and bright noon, and afternoon. — Many handsome clouds and the elliptical cirrostrati crowned by cumuli clouds. — A very black and formidable Nimbus came up at NW in appearance like that of July 31st last, as scrolls of dense smoke. At 5 pm — hail & rain with hurricane — lightning & loud thunder, storm ceased in 15 mins. fine & chiefly clear evening, colder night. —	SW 3. SW 3. W 6. SW 3.	48	50	52½
Tuesday, Dec.r 14.	·44 ·74 30·03	Storms early, and a turbulent morng; very cold windy, & stormy day, overcast, with snow and rain at times: — Eveng in part clear — and very cold.	NW 5. NW 6. NW 6.	38	40	41
Wednesday, Dec.r 15.	·00 29·81 ·63	Frost early, cloudy & windy morng — horizontal lines of mottled cirrostratus about the SE exhibiting lovely tints of crimson — orange and gold — at ¼ before ☉ rise. — Cloudy day — & more so after noon, windy & stormy. After 5 pm — overcast & wet eveng. very boisterous and warmest after dark. Heavy rain & at 9 pm. Night finer & less wind. —	SW 4. SW 5. SW 5.	30	35	48
Thursday, Dec.r 16.	·50 ·38 ·33	An arc of dark cirrostratus skirting SE at 7 a.m. — & a parallel line of same cloud just above it. Clear elsewhere. A fine clear, & sunny day, some cirri and scud or loose cumuli. Sun set in yellow glare. A threatening west, cloudy night. —	SW 3. SW 3. SW 3.	37	37	43½

Day.	Barometer.	December 1841.	Point & force of Wind.	Thermomr. lowest state early	8 am	Highest state
Friday, Decr. 17.	29·50 ·60 ·68	Cloudy morng with showers of snow; became clear & cold, a very fine, bright & cold day, keen breezes. — Orange ☉ set, clear evening & night, with sharp hoar frost: brown haze about horizon. —	W 2. WNW 4 NW 3.	33	33	37½
Saturday, Decr. 18.	·68 ·64 ·60	Clear calm, and severe frost, a clear golden ☉ rise, and very bright day, a few small white undulated cirrostrati pm. — clear and severe night; Thermomr 29° at 5 pm, and at 9 pm 25½°!	S W 0. SSE 0. NW 0.	24½	25	35½
Sunday, Decr. 19.	·30 ·39 ·30	Much hoar frost, grey clouds & sun rising red-tinging clouds the same. Calm & fine day, grey clouds & sun, some dense cumulostrati 5 pm — sun set as it rose. — Hazy eveng — lunar halo & corona. —	Var. 0. N 0. N 0.	24	28	38½
Monday, Decr. 20.	·32 ·39 ·48	Continued grey frost, clouds with little snow: more sun after 9 for 2 hours: — afternoon overcast till 5. — Evening very clear, moon & stars very bright, and sharp frost. — 8 pm 27° by Extl Thermr.	N 1. NNW 0. NW 0.	26	30	35
Tuesday, Decr. 21.	·67 ·73 ·69	Winter solstice, Shortest Day. — Fog and frost, but cleared off before 8 am, sun rose red in leaden haze, afterwards golden tint, no cloud; a fine clear & keen day. Cloudy eveng, the moon encircled by three concentric rings of gold, lake & green at 6½ pm. — Cloudy with storms of snow after 9 pm, then clearer & continued frost.	NW 0 & 1. W 2. W 4. & 5.	26	28½	35½
Wednesday, Decr. 22.	·78 ·84 ·91	Severe frost, very clear, golden ☉ rise, no cloud, and a very fine clear and cold day, white stripes of cirrostratus in SW pm. — At 4 pm frost severe & Thermr falls at 29° but during eveng — sheets of light mottled cirrostratus. — The 24° again during eveng, but milder after 8. —	WNW 3. W 3. W 2.	24 24	24½	34
Thursday, Decr. 23.	·91 ·85 ·79	Overcast & foggy, chiefly fog till after 1 pm, then rain at times, and still overcast; cleared off after 7 pm, and wind arose. — Moon bright at 8 & 9 pm. Thaw all day. Night mostly clear, and wind again fell away. —	SW 0. SW 1. SW 5.	35	35	42
Friday, Decr. 24.	30·07 ·05 ·00	Fine morng, cirrostrati & sun, little frost on the surface; cloudy with sun in the day, more overcast after 1 pm, mild & trifling wet at times. — Windy & beating storms during night at W.	W 2. SW 3 SW 4	33	36	47
Saturday, Decr. 25.	29·86 ·77 ·73	Dark clouds & gloomy, calm & mild morng, little wet; after 10 — a fine day till 5 pm, sun at times, and much cirrostratus & dark scuds; black raggy clouds with heavy shower at 5, then a fine & clearer eveng. — Wind more to West; and becoming colder again. —	W 3. SW 2. SW 2.	42	41	44

Day.	Barometer.	December 1841.	Point and force of Wind.	Thermometer lowest state early	8 am	Highest state
Sunday, Decr. 26.	29·84 ·96 30·02	Fine morng, chiefly clear & a frost; fog came on at 10 — continued till after 1, — clear afternoon and frosty air. — Sun set red and clear. — Clear eveng, except thin mottled cirrostrati — passing from NW — in which the moon was encircled by gold — lake — green — & purple haloes in a most beautiful manner. White & hard frost.	NW 1. NW 2. NW 0.	28½	30	37
Monday, Decr. 27.	·16 ·22 ·19	Hard frost; clear rosy ☉ rise, a very fine clear day, no cloud, till after 3 — when fog came & increased to very thick stratus, and frost. — Clearer after 6 pm — little wind and cirrocumuli. —	W 0. W ½. W 1.	28	30	36
Tuesday, Decr. 28.	·13 ·14 ·17	Cloudy morng, with cirrostrati, again clear after 8 — and colder. — A fine sunny day, the sun-beams very warm and comfortable in Southern aspects. — Cloudy eveng and night. Full moon 6½ am. —	NW 1. NW 1. W 1.	29	36	40
Wednesday Decr. 29.	·20 ·16 ·17	Cloudy morng, little sun, became overcast, calm & very drizzling day, somewhat clearer after 6 pm, & still calm. — Pleasant night; grey clouds & moon. —	NW 1. NW 0. N 0.	33	36	40
Thursday, Decr. 30.	·20 ·24 ·30	Chiefly cloudy with mixed beds of irregular clouds — in undulations & masses — much cirrostrati, calm and soft atmosphere. — Evening & night the same. —	Var 0. E 0. Var. 0.	31	32	41
Friday, Decr. 31.	·33 ·32 ·33	Some cirrostrati, but mostly clear, & a little frost, calm, pleasant & sunny day, some sheets of varied cirri & the ribbed cirrocumuli. — Night in part clear, some clouds. —	S E 0. S E 1. S E 1.	30	31	39

Results for December 1841. —

Baromr			Thermr		
Highest on 31st	=	30·33	Highest on 3d & 8th	=	53°
Lowest on 3d	=	29·16	Lowest on 22d	=	24.
Range	=	1·17	Range	=	29
Mean of month		29·762	Mean of month	=	39·459

Rain 2·535 Inches — or 2½ Inches. Evaporation 0·42 In, fine days 19 — principal winds Westerly.

This was a changeable yet very seasonable month, with no particular phenomena. —

Results for 1841 – A table of the monthly distribution of the winds, rain, evaporation, and of the fine days. –

1841	E	W	N	S	NE	SE	NW	SW	Prevail^g winds	Rain	Evap.	Fine days
Jan^y	1	6	3	0	4	5	8	4	NW. W. SE. - NE.	·71	·60	19
Feby	4	0	2	3	9	5	2	3	NE - SE	·95	1·44	17
March	1	4	0	8	0	4	2	12	SW - S.	1·24	2·53	20
April	2	2	2	1	5	4	4	10	SW	1·14	3·34	23
May	7	2	1	4	1	3	3	10	SW - E.	1·45	4·76	23
June	1	4	5	3	0	2	6	9	SW - NW - N.	1·67	4·39	20
July	1	10	1	2	0	3	8	6	W - NW.	3·86	3·61	14
Aug^t	0	2½	1	1	0	2½	5	19	SW.	2·36	4·28	22
Sept^r	2	2	0	6	0	7½	4	8½	SW - SE. - S.	3·80	3·15	17
Oct^r	0	5	0	4	0	0	3½	10½	SW - NE.	5·10	1·65	13
Nov^r	3½	3½	1	2	1	5	3	11	SW - SE - E - W	2·51	·79	19
Dec^r	1	6	1	1½	0	4	9	8½	SW - NW - W.	2·535	·42	19
Total	23½	47	17	35½	20	45	57½	111½	SW.	27·325	30·96	226

The coldest period of the Year 1841 was the 8^th & 9^th of January – Thermometer 4 degrees!

And the hottest days were May 28^th and August 27^th Therm^r 86° & 85°! –

Range for the year 82° and the mean for the Year 50·301 Deg^s.

The highest Pressure on March 11^th Barom^r 30·59.

Lowest Do — January 11^th – 28·95 & Oct 6^th 28·97. –

Range for the Year 1·64 – and the mean for the Year 29·9125. In.

The most striking & memorable features of the year 1841 were – a very severe Winter; unusually warm and lovely Spring, a sultry & wet season from June 25^th, protracted by an excessively wet October. – But the beautiful charms of March, May, part of August & September, and the calm serenity of the Christmas week, somewhat balance the rest! –

The total rain in 1841 equalled 27·325 Inches here, – the Evaporation 30·96 In. and the fine days were 226 in number, or 40 less than in the preceding year! The rain exceeding that of the preceding year by 1 foot!!

January 1842.

Day.	Barometer.		Point and force of Wind.	Thermom^r Lowest State early	8 a.m	Highest State.
Saturday, Jan^y 1st.	30·33 ·32 ·30	Chiefly clear and frost; some sheets of cirrus in varied forms, sunny and pleasant noon, more hazy during afternoon & streaks of falling snow at a distance seen in the clouds. – Frosty even^g – 8 pm Th^r 29°.	SE 0. SE 0. SE 0.	28½	30	36
Sunday, Jan^y 2nd.	·27 ·23 ·20	Cloudy and little thaw after a frost early, gloomy day, and the dullness increasing. – Some sleet at times during evening. —	NE 0. NE 1. NE 1.	29	33	38
Monday. Jan^y 3rd.	·14 ·12 ·08	Sharp frost, and snow whitened the landscape, early in the morn^g; – a fine day, grey clouds, & sun; frost continuing. Some snowy clouds to night, – an appearance of parhelion in WSW at 4 pm – among distant snow falling against clear sky. – Snowy night, clear intervals.	NE 0. NE 0. NE 1.	26	29	33
Tuesday, Jan^y 4.	·05 ·07 ·11	Sharp frost, heavy snow at times & sun at times, but chiefly snowy & often very thick. Snow increased at 4½ pm. Even^g chiefly cloudy with frequent snow. – Night the same. —	NE 1. NE 1. N 2.	25	28	33
Wednesday, Jan^y 5.	·11 ·15 ·21	Cloudy and gentler frost, little thaw in the day, and chiefly cloudy, some sun, Evening & night partly clear, gentle frost, and a little snow. –	NW 1. NW 1. N 1.	27	30	36
Thursday, Jan^y 6.	·24 ·30 ·42	Chiefly fair & frost, clouds and sun few flakes of snow, much grey cirrostratus. – Cloudy evening – more clear after 10 pm –	N 1. N 1. N 2.	28	28	37
Friday, Jan^y 7.	·54 ·57 ·53 ·54	Chiefly clear & very severe morn^g, purple & rose tints in NW. – Grey cirrostrati followed – clouds & snow at times, but the sun often bright. Even^g more overcast & heavy snow at intervals. —	N 0. N 1. NNW 2.	17	19	32
Saturday, Jan^y 8.	·58 ·53 ·49	Grey clouds & sharp frost, more clouded in the day – continued frost, a dark arc of leaden tinted cloud about the E, all the afternoon –. Cloudy even^g & night – wind & severe frost. —	NE 1. NE 1. NE 2.	26	26	32
Sunday, Jan^y 9.	·35 ·28 ·28	Severe frost, cloudy morning and the whole day clouded and very keen atmosphere, granular snow at times falling. Continued frost, and altogether the most winterly day yet this season.	E 0. ENE 0. ENE 0	23	24	30
Monday, Jan^y 10.	·20 ·18 ·15	Overcast and frost – the whole day alike general suffusion over the sky continually, – calm and gloomy. Evening and night the same. – Frost again increasing and little breezes at various points.	WNW 0. WNW ½. Var. 1.	26	28	31½

Severe but charming winter weather.

January 1842.

Day	Barometer	January 1842.	Point & force of Wind	Thermometer Lowest State early	8 am	Highest State
Tuesday, Janʸ 11.	30·09 ·12 ·15	Cloudy, blue haze, and continued frost; After noon - a slight remission, but very cloudy and thick. - New moon 4 pm. Gentle fall of snow during evening, and night, and wind S: - yet the Barom. rising	NE 0. E ½ SE 1. S 1.	24	27	35
Wednesday, Janʸ 12.	·17 ·15 ·13	Overcast & continual gentle snow, after noon heavy fall of Snow, continued so more or less till even. After 5 pm finer in part clear, & severe frost.	S 0. S 1. SSE 1.	28½	30	34
Thursday, Janʸ 13.	·05 29·99 ·91	Continued frost, clouded and some haziness, with wind. - wind increased during evening, still hazy, cloudy, & little snow drifting at times. -	S E 2. S E 4. S E 5.	22	30	35
Friday, Janʸ 14.	·70 ·65 ·80	Cloudy, windy & slight remission, overcast some fog, and little rain, gentle thaw through the day: frost again returned at sun set. more clear - & fine night. -	S E 4. S 3. S W 1.	28	30	37
Saturday, Janʸ 15.	30·00 ·05 ·03	Morn. in part cloudy - but a dry frost and considerably severe, day more overcast, and foggy, but clearer after 3, and the night in part clear. -	SSW 1. SW 1. SW 1.	25½	29	36
Sunday, Janʸ 16.	29·93 ·82 ·93	Severe frost early, became cloudy at 7 - and the day cloudy, windy, and a change with a little rain. - Stormy and unsettled night. - Very changeable.	SSE 2 S 4. SSW 5	25½	30	37½
Monday, Janʸ 17.	30·07 ·13 ·28	Cloudy with little sun, much cirrostratus and scud - and brisk gales with continued thaw. - Fine night, in part clear, and less wind. Very fine winter weather. -	NW 4. NW 3. NW 2.	33	37	41
Tuesday, Janʸ 18.	·41 ·45 ·52	Some cirrostratus, but chiefly clear, and a frost. very fine day, pleasant & sunny, warm sun & keen air, fleecy ranges of cirrocumulus. Sun set clear, afterwards fog and frost.	NW 1. NW ½. NW 0.	29½	31	39
Wednesday, Janʸ 19.	·54 ·47 ·41	Frost with thick fog & rime on the trees and other objects exposed. - Chiefly a calm all day, & the rime continued. - Wind veered at 6 pm - & rather arose.	NW 0. NW 0. E 1.	26	27	32
Thursday, Janʸ 20.	·30 ·22 ·18	Severe frost, fog gone - trees white, and the sky a general mixture of blue and grey cloudiness. The rime partially falling in sudden showers from the trees after 1 pm - for a short time. Still cloudy & calm. -	NE 0. NE 0. NE 1.	24	27	35
Friday, Janʸ 21.	·15 ·14 ·06	Overcast the whole day, little remission of cold. The rime lying under the trees, like a coat of salt-petre strewed beneath them. - Cloudy night and little frost. -	NE 1. E 1. E 1.	31	31	36

January 1842.

Day	Barometer	January 1842.	Point & force of Wind	Thermometer Lowest State early	8 am	Highest State
Saturday, Janʸ 22.	29·93 ·80 ·53	Cloudy with frost & a little breeze, Freezing all day with small rain casing every object with ice as it fell! - But at 5 pm - snow commenced and increased through the even. with a brisk wind. - Finer night wind veering about the S. -	S E 1. S E 3. S E 4.	30	30	32
Sunday, Janʸ 23.	·26 ·25 ·40 ·63	Morn. in part clear, ☉ rose clear in a yellow sky - of an angular form - the clouds lying above in a straight border sloping from SW to the horizon in the E, cloudy in the day with frequent snow, - finer even. & nearly clear. - Moon & snow giving a strong light: -	SW 2 NW 3. N 3. & - 2. -	28	29	34
Monday, Janʸ 24.	·90 ·93 ·85	Severe frost, very clear the whole day, and calm, sun set clear - in orange tint, but some long narrow cirrostrati lay around S & W - soon after. Very clear & severe, till 9, afterwards clouds came, cirro-haze, & then general suffusion. - Therm. lowest at 8 pm = 15½	NW 0. Var 0. S 0.	21½	23	31
Tuesday, Janʸ 25.	·51 ·60 ·82	Overcast, gale, and heavy fall of snow from 4 am, till 10 am, then finer & less wind but overcast. The snow getting very deep. Snow again after 3 pm - Fine night, fog and rime, & severe frost. -	S E 5. S E 4 Var. 0. -	30	32	36½
Wednesday, Janʸ 26. ☌ ♃ ♄ & ⊕ ☽ -	·70 ·31 ·22 ·13	Severe rime-frost early, then a change, with clouds & wind after 6 am; great conjunction of Jupiter & Saturn - & Lunar Eclipse. Extremely rough - stormy, cold and wet from 8 am till 2 pm, driving rain & snow, - with hard gale. Cleared up at 3 pm. - Again cloudy & high wind even. & night. Only a hasty glympse of the Eclipse could be had between the clouds - 6½ pm. -	S E 4. S E 6. SSE 7. S W 7.	19	30	40
Thursday, Janʸ 27.	·60 ·76 ·88	Hard gale, scuds, & sun, great floods from the melting of the snow which is much decreased from the landscape. A fine and windy day. Thaw continues, & sun bright. Clear night and wind less. -	SW 7. S W 5. SW 3.	35	35	42
Friday, Janʸ 28.	·91 ·94 30·01	Clear & frost. - a very bright & fine day. a few cirro-cumuli, & white cirrostrati. - Evening and night chiefly clear, some white cirrostrati clouds.	SW 0. W 1. W 0.	29	30	43
Saturday, Janʸ 29.	·05 ·12 ·21	Fine frosty morn., many flimsy cirrostrati tinged rose-colour. A very fine day, bright sun till near 2 pm, Therm. on a South wall 76°. - Afterwards filaments of cirrostratus and at length overcast sky.	W 0. W by N 0. W by N 1.	27	29	40
Sunday, Janʸ 30.	·30 ·32 ·33	Very thick fog, continued foggy till after 1 pm, afterwards at times bright, more cloudy with converging cirrostrati at 4 pm. Evening overcast. Night the same, & wind more to West. -	NW 0. NW 0. NW 1.	32	32	39
Monday, Janʸ 31.	·20 ·12 ·05	Overcast and light rain at times, and a more complete thaw going on, Evening and night the same, the Thermom. highest after 4 pm. -	SW 3. SW 3 SW 3.	33	36	44

Results for January 1842. —

Barom^r	Highest: on 8th 30·58 Lowest – 26th – 29·13 Range – 1·45 Mean of month – 30·0819	
Thermom^r	Highest on 31st – 44° Lowest – 24th – 15·5 Range – 28·5 Mean of Month – 31·411	

Depth of rain 0·37. Evaporation 0·40. Fine days 21. Prevail^g winds NW–SE–& NE.

This month was remarkably cold in a constant & uniform manner no mild day occurring, consequently the mean temperature was even lower than that of same time in 1841 although no day was so violently severe as in that year. The disorders most prevalent were Typhus & other fevers – Dispepsia – Catarrhs, Cynance in various forms –, and Pertussis among children. Protracted fevers among all ages, with some fatal cases, and the consumptive and asthmatic became affected by greater difficulty of respiration. —

February 1842.

Day	Barometer	February 1842.	Point & force of Wind	Thermometer Lowest State early	8 am	Highest State
Tuesday, Feb^y 1st.	30·15	Clear & serene morn^g, golden ☉ rise. – The Snow-drop & Aconite opening flower. –	NW 1.	32½		
	·21	A very fine bright & pleasant day, light cumuli & scuds. – Clear even^g & calm. —	NW 1.		34	
	·26		W 0.			45
Wednesday, Feb^y 2nd.	·25	Grey clouds fine & pleasant morning, the same all day, chiefly sun with thin haziness & much cirrus.	SW 1.	32½		
	·25	Evening and part of the night more cloudy and a mild	WSW 1.		36	
	·33	and tranquil atmosphere. —	WSW 1.			48
Thursday, Feb^y 3rd.	·47	Clear above, stratus below, calm morn^g; a very fine, bright, and pleasant day	W 0.	36		
	·51	as the 2 past; mild and calm, cirri, and fleecy cumuli. – Stratus came on at 5 pm	SW 1		36	
	·55	foggy evening. —	SW 0.			49½
Friday, Feb^y 4.	·57	Thick fog in the morn^g and the day foggy more or less, much colder	SW 1.	33		
	·53	& raw atmosphere. Cloudy evening	S 1. / SE 1.		34	
	·51	but no fog, a dryer breeze commencing. —	E 2.			40
Saturday, Feb^y 5.	·41	Cloudy morn^g with drying breeze,	E 3.	31		
	·34	fine and drying day, fleecy cumuli and sun with cold wind. Evening	E 3.		33	
	·33	cloudy with continued dry wind. —	E 2.			40
Sunday, Feb^y 6.	·23	Cloudy, drying and cold, yet somewhat pleasant.	E 1.	30		
	·12	Evening clear, and most of the night, with sharper frost. —	E 1.		32	
	·07	some sleet, or hail after midnight. —	E 1.			37

Day	Barometer	February 1842.	Point and force of Wind	Thermometer Lowest State early	8 am	Highest State
Monday, Feb^y 7.	29·93	Cloudy in part, more so after 7 – became overcast with snow & rain, from 9 am – and	E 2.	26		
	·84	most of the day. – Finer evening, but still overcast, somewhat milder, and wind veer-	SE 3.		34	
	·91	ed about to SW. —	SW 3.			40
Tuesday, Feb^y 8.	·96	Clouds with sleet & hail – 7 am – then overcast, & drizzle. – Thick fog with sleet & rain in	Var 0.	31		
	·95	sudden showers – from clouds above the lower stratus. – Evening continued fog,	NE 0		32	
	·98	but no rain. Warmest since ☉ set.	E 0. / SE 0.			42
Wednesday, Feb^y 9.	·97	Foggy morn^g; cleared off after 9, a bright and pleasant day, some cirri in many	S 1.	36		
	·94	forms, warm and agreeable, bees on the wing. – Aconite & snow-drop full open, daf-	SSE 2.		40	
	·91	fodil coming up fast, and primroses opening. – Windy even^g, and chiefly clear. —	SSE 2. / SE 4.			50
Thursday, Feb^y 10.	30·02	New moon at noon. – Fog till after 10 – morn^g, fine mild & sunny noon, cirro-	SSW 1.	37½		
	·10	cumuli and scuds –, more cloudy again after 3 pm. Saffron crocus & anemone in	S 3. / S 2.		40	
	·14	flower. Clear even^g with a breeze. —	S 3.			50
Friday, Feb^y 11.	·10	Windy mild and drying with scuds and sun, and cirrocumuli above. —	SW 5.	43		
	·09	A fine drying day throughout, & all kinds of cloud from cirri to cumuli, & bright sun. –	SW 5.		45	
	·14	windy & warm atmosphere. – Much undulated cirrostratus followed by rain at 7 pm. wet evening, and gusts of wind. –	SW 5.			54
Saturday, Feb^y 12.	·13	Cloudy and mild morn^g, & little wet.	SW 4.	46		
	·16	windy with flying clouds – but fine after 10.	SW 5.		48	
	·14	and sun at times, very mild & soft. —				
	·17	Clearer even^g mild & windy – clouds again at intervals. —— 8 pm Therm^r 50°.	SW 5.			56
Sunday, Feb^y 13.	·33	In part clear, some linear haze, but a calm and fine morn^g, clouds & wind after 10 –	SW 0.	36½		
	·20	stormy with beating rain at times, and bois-	S 2.		39	
	·13	terous day. – Fine clear even^g. – {clouds orange & lake at ☉ set.	S 5.			
	·21		SW 3.			49
Monday, Feb^y 14.	·40	Clear morn^g, and a very fine, bright, and pleasant day with a drying breeze, and a	NW 2.	36		
	·52	few cumuli in small & loose masses. After 4 a splendid parhelion N of sun, exhibit-	WNW 3. / W 2.		39	
	·55	ing a long cone of brilliant red & gold – in an undulated cirrostratus. – A beautiful clear & still evening. —	W 1.			50
Tuesday, Feb^y 15.	·53	Fine morn^g, grey clouds & breeze, very fine	WSW 3.	36		
	·52	sunny dry, cumuli & spongy cirri, with a drying wind. – Evening and night chief-	SW 3.		41	
	·55	ly cloudy, and mild. – Delightful weather.	SW 1.			52
Wednesday, Feb^y 16.	·59	Grey clouds early. A very fine, bright, calm & lovely day. Some cirri & small	W 0.	42		
	·59	cumuli. – Calm evening, fleecy little clouds & moon. – Night clear above	NW 0.		44	
	·58	mist below in horizontal streaks. —	Var. 0.			53½

February 1842.

Day	Barometer	February 1842.	Point and force of Wind	Thermometer Lowest state early	8 a.m.	Highest state
Thursday, Febr. 17.	30·50 ·46 ·45 ·43	Foggy more or less till near noon; — afternoon more sunny with loose cumuli. Mild and pleasant. The sallow, gooseberry, currant, & other buds opening. Crocus in full bloom — also variety of flowers beyond the primrose, snowdrop & aconite which have been so for many days. — The daffodil sprouting high, & peony & tulip up. — The birds very musical all this week. — Very clear after 3 pm till 5, afterwards thick fog.	SE 0. SSE 1. SE 1. SE 1.	36	40	48
Friday, Febr. 18.	·41 ·47 ·49	Foggy morning, became cold with grey cloudiness & wind veered. — brighter afternoon very fine but cold. — A very clear, calm and sharp frosty night. 8 pm Th. 30°.	SE 0. S 0 WNW 1. NW 0.	33	35	39
Saturday, Febr. 19.	·47 ·39 ·32	Clear above, fog below, or rather coppery haze, ⊙ rose red & well defined. Very white frost. — A fine & bright day, light breeze, no clouds. — Sun set in grey haze. — Foggy evening, & again calm. — Primrose in general flowering.	SW 0. SSW 2 SSW 0.	27	30	48
Sunday, Febr. 20.	·16 ·10 ·02	Thick & cold fog, which continued more or less all the day; breezes at times drifting the fog as small rain, & wetting the trees much, other objects less. — A raw & unpleasant day.	S 0. SW 2. SW 3. S 2.	32½	34	37
Monday, Febr. 21.	29·90 ·79 ·90	Cloudy morng & a dry breeze, after 12 very stormy, galy & rainy till 5 — then fine, cleared up, and wind veered. A very clear moon-light eveng & night.	SW 3. SW 5. WNW 2.	32½	35	44
Tuesday, Febr. 22.	·94 ·86 ·80	White frost, in part clear, but at 8 a.m. a blue fog, afterwards clearer, with flying cumuli, cirrostrati & sun; at ⊙ set a beautiful cloud in straight horizontal belts of rose & gold in WSW, on horizon, & all the eveng white curdy trains of cirrocumulus, wooly cirrostrati & bright moon, with a light breeze. — At 10 pm hazy with a halo about the moon.	SE 0. SE 3 S 3. SSW 2.	28½	32	49
Wednesday, Febr. 23.	·61 ·55 ·39	Much cirrostratus, cumuli and sun, a mild & stormy atmosphere yet fine except a little shower early. Afternoon more sunny & beds of cirrus. Solar halo 1 pm. — Hazy night, moon dim. — little rain at times followed.	SSE 1. SSE 2. SSE 2	38	42	49
Thursday, Febr. 24.	·27 ·28 ·31	Various rain-looking clouds & sun; much cirrostratus, scuds, & cumuli, sun at times but chiefly clouded after 12. — Coppery tints upon all clouds at 5 pm. Cloudy night, some wind.	S 3. S 2. SSE 2.	41	44	49
Friday, Febr. 25.	·25 ·32 ·40	Clouded & some wet. Full moon 4 am. Overcast and windy, & at noon wind veered with rain and snow, and boisterous wind. Fine & clearer after 3 — with dense cumuli. Clear and serene night, keen air.	SE 2. SW 5. W 5. SW 3	38	39 to 35	43

Day	Barometer	February 1842.	Point & force of Wind	Thermometer Lowest state	8 am	Highest state
Saturday, Febr. 26.	29·44 ·50 ·63	Morng clear & frosty, but at 8½ am, overcast & snow in large flakes, afterwards finer with sun. Bright day after 10 with fleecy cumuli and clear blue sky between. More clouded after 6 pm, & storminess at times.	S 2. SW 3. WSW 4 & 2.	29	35	45
Sunday, Febr. 27.	·73 ·60 ·47 ·48	In part clear, blushing ⊙rise, some haziness. Mottled cirro-strati all the forenoon and rough wind, cold and boisterous. — a great storm of beating rain & snow with a gale from 1 pm till 3 pm — with little intermission. — after 3 more fair but still rather stormy. Sun appeared just before setting. — Windy night, hail at times.	S 2. SSE 5. SW 5. WSW 3.	31	35	42
Monday, Febr. 28.	·64 ·74 ·63	Clear and windy morng; chiefly bright sun with a gale all the forenoon, white spongy cirri, ribbed cirrocumuli & cumuli. After 2 pm more hazy but less wind. Evening overcast and some rain with wind.	SW 4. WSW 6. SW 5. S 5.	35	38	50

Results for February 1842.

Barom.		Thermom.	
Highest on 16th	30·59	Highest on 12th	56°
Lowest on 25th	29·25	Lowest on 7th	26
Range	1·34	Range	30
Mean of month	30·0708	Mean of month	40°·4017

Rain ·96 of an Inch, Evaporation ·92, Prevalent wind SW. — number of fine days 21.

This month was mostly very changeable, but the greater part mild and fine. The latter part stormy and unsettled. — Vegetation started early, and kept on throughout the month; the buds swelled, and the little garden flowers as also the primrose were in full beauty. The saffron crocus very early in flower. — The diseases of last month continued in this including many cases of Typhus in this immediate neighbourhood, but it arose from no Epidemic, for it was far from general. — The Extreme wetness of last Autumn so saturated the Soil, that the effect of evaporation now is scarcely discoverable upon the fields, and hence even the fine weather has not been enough for working the land for earlier seeds. Field operations consequently proceed slowly. —

Day	Barometer	March 1842.	Point & force of Wind	Thermometer Lowest State	8 am	Highest State
Tuesday, March 1st.	29·36 ·42 ·60	Cloudy warm morng. breeze at SW. changes through the day. Therm. highest 8am – 51°– but at noon & 2pm only 45°; again at 4 pm it was 48° changing with wind. — Clouds & rain at times till after 2. Clearer with cumuli, cirrocumuli and sun at 4 & after. — Distant thunder SE. 10½ AM. — Clear eveng after 6 pm.	SW 4. W 2. NW 1. WSW 3	41	51	51
Wednesday, March 2.	·88 ·65 ·72	Cloudy cold & windy in the morng. rain set in at 9 – heavy rain and higher wind till near 2pm – then finer, with continued strong gale, and much warmer. Very warm and windy night. —	SW 4. SSW 7. SW 7. SW 6.	35	38	52½
Thursday, March 3.	·93 ·98 ·95	Cloudy, very mild and windy morning; Clearer in the day, fleecy & raggy cumuli and sun, windy and warm. — At 6 pm – a singular & sudden calmness – but afterwards windy again. 8 pm. Th. 50°. – dark clouds.	SW 6. WSW 5. SW ½. SW 4.	49	51	56
Friday, March 4.	30·05 ·08 ·05 ·03	Fine & drying. cloudy & hazy with dim sun, never quite bright. A halo at 1 pm. Evening nearly calm, some dark clouds – but less haziness. — A pleasant night. —	WSW 1. WSW 3. WSW 1.	41	43	50
Saturday, March 5.	·08 ·14 ·16	A clear & lovely morng. very fine, bright, and pleasant day with a drying breeze. — The most cheering day this season. Red tufts of cirrus in west at ☉ set. —	W 1. W 2. W 0.	36	40	52½
Sunday, March 6.	·12 ·10 ·01	White frost early, very bright, calm & beautiful morng; bright all day, some small cumuli clouds and little breeze. Warm sun, – and very drying. — At 4½ & 5 pm, a handsome woolly cirrostratus as network in grained & dotted divisions about SW. — golden ☉ set, calm and clear night. —	SE 0 SE 2. SE 0	32	40	52½
Monday, March 7.	29·88 ·78 ·73	Foggy morng. fine day, mostly sunny with a dry breeze, and variety of clouds from spongy cirro to cumuli & scud. – the cirrocumulus & white plane cirrostratus prevailing. Little wet during evening. —	SE 1. SSE 3 SSE 4.	34	40	52
Tuesday, March 8.	·64 ·65 ·61	Cloudy with cirrostratus, warm & balmy morning. — A little rain 10 am. cloudy till 12, then a bright afternoon, warm & beautiful. Cirri cirrocumuli & cumuli clouds. — Much cirrostratus during eveng followed by rain & wind at 9.	S 2. SW 2. SW 3.	45	48	56
Wednesday March 9. ☞ Awful Gale at night.	·70 ·74 ·59 ·31 ·14	Clear morng, cold wind, stormy atmosphere in the day, cumuli, nimbi with hail, and sun between. — Hazy eveng. gale & rain after 8pm – increased to a violent hurricane at 11 pm till after midnight. Heavy rain at times, and the storm awfully severe from SE, afterwards more S. & gradually lulled after 1 a m of 10th. for some time as it became more to west. – See next page. Much rain and the rivulets swollen.	SW 4. SW 4. SE 6. SE 8.	38	41	48

Day	Barometer	March 1842.	Point & force of Wind	Thermometer Lowest State	8 am	Highest State
Thursday, March 10.	29·14 ·20 ·65 ·83 ·98 30·06	The Awful Storm of night past from SE. abated after 1 this morng, but again increased, with an opposite current. hurricane at NW. strongest 8½ am, some rain. — Fine & clearer, mixed clouds and sun after 10 –, very fine sunny & drying afternoon, loose cumuli & blue sky. — Orange ☉ set, clear star light evening.	W 7. NW 8. NW 7. 6. & 5. WNW 2. 1.	37	37	46
Friday, March 11.	·17 ·03 29·91	Much linear haze, & dusky cirrostratus all the morng; became overcast with a little wet at times, chiefly clouded but finer pm. — Clearer after 5. and warmest during eveng; beautiful screens of silky cirrostratus about the West & dappled kind also – near ☉ set all of golden tint. — Windy & some wet at times eveng.	SW 1. SSE 3. S 3. 4. SSW 4. SW 5.	34	38	51½
Saturday. March 12.	30·10 ·15 ·08	New moon 6 am; a fine & cheering day, much cirrus in thick beds till noon – bright afternoon, some cirri of white & thin kind. — Warm and pleasant. Red cirrostrati in bars at sun-set, windy eveng after 8. —	W 3. WSW 2 SW 2	38	41	54
Sunday, March 13.	29·90 ·99 30·08 ·22	Rain in storms 6 a.m, gale & squally. — Fine windy & clear after 7. fine, bright windy & drying day with cirri and cumuli. — Clear eveng & less wind. — At ☉ set – 2 long parallels of plane cirrostrati in WSW. —	W 6. NW 3. NW 3. 2 & 1.	39	45	52
Monday, March 14.	·32 ·38 ·42	Rather hazy with dim sun, but a fine & pleasant morng; linear haze & sun from 10 till 12, then more cloudy with dusky cumuli. Many garden shrubs opening leaf – also the white-thorn partially. Cloudy night. —	W 1 SW 2. S 2.	35	42	54
Tuesday, March 15.	·44 ·46 ·46	Foggy morng and very cloudy all the day. very fine, & but little wind, till after 3, when a light breeze came on. Evening in part clear, and calm. — Lovely night. —	SW 0. SW 1. SW 0	44	47	54
Wednesday, March 16.	·43 ·35 ·29	Cloudy morng, little fog; warm & soft. a very fine, warm, & lovely day, sun at times, with beds of cirrocumuli in white dots, & curved bars, and dusky cirrostrati under them. — a blue haze at 4 pm – and a cloudy night, – some wind. —	SW 0. SW 1. SW 1.	45	49	58
Thursday, March 17.	·20 ·24 ·19 ·01	Morng in part clear, with a breeze, a fine day. chiefly sunny and pleasant. white cirrostrati in horizontal & barred forms & cumuli. — After 3 pm – clouds & haze of dusky blue came on. windy eveng storms of rain after 7. —	W 2. NW 2. SW 2. & 4.	44	47	57
Friday. March 18.	29·76 ·80 ·70	Gale and heavy storms of rain & hail early, fair & clear after 6, and then mostly fair, with sun and wind. A flying storm of rain passed to the South of us at 2½ pm – a little fell here. — the wind at times WNW. — Beating storms with hail 7 & 10 pm. A nimbus in form of inverted cone 6½ pm.	W 6. W 6. W 4.	40	43	52
Saturday, March 19.	·60 ·50 ·44 ·39	Clear morng & high wind. Fine till noon, with cumuli, sun, & hard gale; excessively stormy after 12, with black nimbi & heavy drifting hail – rain & sleet at times. Wind very strong during the passage of the storm-clouds. — rainy evening, cold & turbulent. —	WSW 7. W 6. W 6. & 4.	35	40	46

Day	Barometer	March 1842.	The point and force of Wind	Thermometer Lowest State early	8 am	Highest State
Sunday. March 20.	29·30 ·46 ·51 ·66	Cloudy - low clouds & a cold rainy & unpleasant morng; more fine after 10. sun at times with hasty showers of hail and rain after 2 pm. Large raggy cumuli, and nimbi clouds. A brilliant parhelion below the sun at noon. - Eveng moon-light but a very stormy night with heavy rain & squalls.	NW 1. N 2. N 3. N 3-4.	39	39	48½
Monday, March 21.	·94 ·99 30·09 ·23	Squalls & very heavy beating rain early this morning from North - inundating the marshes. - Vernal Equinox, equal Day & Night. Chiefly fine in the day with sun & large raggy cumuli, but nimbi intervening after 1 pm - & flying showers of hail. - Finer night.	N 4. NNE 4. NNE 4. & 3. NE 1.	35	40	48
Tuesday, March 22.	·22 ·14 ·07	Cirrostrati, raggy cumuli, small nimbi, and sun at times, chiefly fine, but the nimbi let fall a little sleet at intervals. Most clear & pleasant after 2 pm, & till near 8 - some divided fleecy clouds. Stormy with sleet & snow after 10 and during night. -	NW 2. NW 2. N 3.	35	39	47½
Wednesday. March 23.	·19 ·23 ·30	Keen breeze loose cumuli, little sleet, sun at times. - A stormy day with squalls from NE & beating hail & snow flying over, bright with less wind between the storms. - Brilliant ☉ set. & clear evening. -	NE 3. NE 3. NE 1.	32	37	46
Thursday. March 24.	·29 ·29 ·26	Chiefly cloudy with cirrostratus and low clouds, trifling wet at times. A hoar-frost in the morng. A stratus came on after 6 pm - & continued all night. -	NW 1. NW 1. WNW 1.	30	35	45
Friday. March 25.	·21 ·09 29·94 ·84	Good Friday & our Lady Day. The stratus cleared off at 7 am - fine & sunny morng, with cirri, cirrocumuli, & cumuli. A fine drying & pleasant day, chiefly sun with cumuli - but after 4 pm more hazy windy & shew for rain. Gales & showers after 10 pm. -	WNW 1. WSW 2. SW 6.	40	43	54
Saturday, March 26. Full moon 2 pm.	·62 ·65 ·67	Gale all the morng, fair & clear; and chiefly bright & fine the whole day, with a rough wind, cumuli clouds, and passing nimbi. a little hail at 1 and 2¾ pm. - Fine eveng, less wind. A shower at 11 pm. -	W 6. WNW 5. WNW 5. 4-2.	38	41	48½
Sunday. March 27. Easter Day.	·82 ·85 ·87	Clear with hoar frost, cirri & cumuli followed. a very fine, drying & pleasant day, cumuli and sun, with cool breezes. - Trifling showers at a distance after 1 pm. - Evening clouded with cirrostrati.	WNW 1. & 3. WNW 3. W 1.	34	40	48.
Monday. March 28.	·80 ·80 ·83	Cirri & scud - mild morng with a breeze; a very fine, warm & pleasant day, with a soft breeze, cirrocumuli, cumuli, & sun; little breeze at night, & flimsy cirrostrati clouds. A bright Parhelion S of ☉ 4¼ pm.	SW 3. SW 3. & 4.	41½	48	61
Tuesday, March 29.	·94 30·05 ·09	Mild morng breeze & much cirrostratus, cooler a while after 8 - afterwards fine, bright, and pleasant with cumuli clouds; bright & lovely eveng, golden sun set, no clouds but thin linear cirrostratus near ☉. -	SW 3. WNW 2. W 2. SW 1.	48	51 & 47	56

Day	Barometer	March 1842.	The Point and force of Wind	Thermometer Lowest State early	8 am	Highest State
Wednesday March 30.	29·96 ·91 ·98	Cloudy & warm - soft morng, trifling wet at times during forenoon; bright with cirri & flying cumuli after 1 pm - & a warm growing day with a breeze. - Very sunny at 3. & till 4½ pm, then a dark nimbus with driving shower, from WNW. - Fine & clearer evening. less wind but veering back to S ward.	SW 3. SW 4. & 3. W by N 4. W 2.	43	51	59
Thursday, March 31.	·88 ·71 ·62 ·61	Overcast, rain, & wind. from SW & S during the morning: chiefly the same till 1 pm. afterwards fine, little sun at times, and very mild. - The Horse-chesnut & the hawthorn in leaf, and the willow and sycamore opening their leaves also. - After 6 pm, very thick rain from WNW became heavy & continued through the night, till after 12. - Wind veering - afterwards a gale came on - see over leaf - The barometer fell more rapidly after midnight when the month expired, but the rain fell nearly all in the period before it terminated, - so as to be taken on 31st. -	SW 4. S 4. SW 4. & 3. WNW 4. WSW 3.	43	46	57

Results for March 1842.

Barom.r	Max on 15th = 30·46 Min on 10th - 29·14 Range = 1·32 Mean of month = 29·9325	Thermom.r	Max on 28th = 61° Min on 24th - 30 Range = 31 Mean of month = 45·3587

Rain 3·02 Inches; Evaporation 2·15 Inches: Prevalent winds SW & W: and the number of fine days 19.

This was a very changeable month, with frequent seasonable storms, yet generally mild, and at times very fine, warm, and pleasant, so that the Spring opened very early. - Many little flowers in bloom, & some trees and shrubs in leaf. A fair seed-time on the whole. - The diseases of previous two months, went on with much fatality near us. -

April 1842.

Days	Barometer	April 1842.	Point and force of Wind	Thermometer: Lowest state early	8 am	Highest state
Friday, April 1st.	29.25 -41 -44 -50	A hurricane at 3 & 4 a.m. from NW, and great floods from last night's rain. — More fine, but cloudy morning, wind abating fast: Fine day, heavy clouds — cumuli & nimbi with sun, a Solar halo at 12. Parallel lines of cirrostratus 3 pm. & intersecting portions of same. —	NW 7 NW 2 NW 1	40	42	50
Saturday, April 2nd.	-62 -75 -84	Hazy with some cirrostratus during the morng. a very stormy day, some sun in the forenoon, & flying hail showers, cloudy & windy with rain at times p.m. finer evening.	NW 1 NNW 3 N 4-5	34½	40	47
Sunday, April 3rd.	-88 -97 30.08	Snow & hail in showers during the morng early; a stormy day, intervals of sun between flying showers of sleet. Cumuli, nimbi, & wind very keen. — Finer night, in part clear & more settled.	N 4 N 3 NNE 3	34	36	46½
Monday, April 4.	-28 -35 -41	Cumuli and sun, keen breeze, a fine day, more settled; rather cloudy, with dusky cumuli, sun at times; a serene evening clearing in a bright line West at ☉ set.	NNE 3 NE 2 NE 1	35	40	48
Tuesday, April 5.	-45 -48 -43	Clear & frosty morng, very fine, calm, and bright day, with cumuli clouds intervening. — A very clear eveng, brilliant ☉ set, orange twilight. Calm & cold during night.	NE 0 NE 1 SE 0	32	42	52½
Wednesday, April 6.	-32 -22 -13	White frost. Very clear. small white elliptical cirrostrati came on at 8. but very fine, bright, & warm sun; at 11 a.m. a plane cirrostratus of white net work passed the sun, exhibiting 3 concentric haloes of fine colours. very bright afternoon, light breeze. Night chiefly clear with wind.	ENE 0 NE 2 NE 3	31	42	57
Thursday, April 7.	-00 -00 -06	Blue fog & wind — cleared off at 10 a.m. — a very fine, cheerful day, bright sun, & drying wind. Fibrous cirri & loose cumuli at times. Cloudy with blue fog after 6 pm. till 9 — then clearer, yet warmer. —	NE 3 NE 3 NE 3	38	44	55
Friday, April 8.	-20 -29 -35	Clear morng. light breeze, a very bright, fine & drying day, no cloud all day; sun set in full splendour. — Some clouds came on at 8 pm.	ENE 2 E 3 E 3	36	45	55
Saturday, April 9.	-43 -46 -51	Cumuli & sun, keen & drying wind, but pleasant and cheerful. — less wind at night, but very fine with a parching & keen atmosphere. —	E 3 E 3 E 1	35	44	52
Sunday, April 10.	-49 -44 -41 -42	Clear morng, more clouded after 9. many cumuli & some cumulostrati, in dark masses about ENE, and some white portions in rocky forms, sun at times & very fine & dry, with cold breeze. A cirrostratus passed over 7 pm from NE with a few drops. Eveng cloudy with similar clouds: — **New moon 10½ pm.**	ENE 1 NE 1 E 1 NE 1	33½	43	52

April 1842.

Day	Barometer	April 1842.	Point & force of Wind	Thermometer: Lowest state early	8 am	Highest state
Monday, April 11.	30.37 -33 -33	Loose cumuli, cirrostrati & sun, with a keen breeze; a large bed of cirrostratus passed to West about noon — with a few drops — leaving the East clear. — Afternoon bright sun, with cumuli in loose masses, & a cold breeze. — Night cloudy with some wind. —	NE 2 ESE 3 E 4 ENE 4	33	43	51
Tuesday, April 12.	-27 -21 -16	Fine morng & chiefly sun — but a very cold and stormy day, a variety of clouds from fleecy cumuli to nimbi with showers of hail & gusts of wind. Sun at times. Cloudy evening and night and cold wind.	NE 3 NE 4 NE 3	36	42	48
Wednesday, April 13.	-12 -10 -08 -12	Cloudy with cold wind but a fine morning, a very cold & stormy day, chiefly gloomy with heavy clouds, & rain hail & sleet in showers. Little gleams of sun. Evening & night cloudy & little showers of rain. —	NE 3 NE 4 NE 2	36	41	44
Thursday, April 14.	-05 -12 -16	Morning in part cloudy — but a fine and drying day, flying cumuli and sun, and brisk wind. Evening more clouded with long raggy cirrostrati, and the night the same more or less. —	NE 2 NE 3 NE 3	36½	41	49
Friday, April 15.	-22 -21 -24	A sheet of mottled cirrostratus drew off at 7 a.m. leaving a clear NE. afterwards cumuli & sun through the day, but the cumuli were thick and numerous, and the wind cold. — Clear ☉ set, night more cloudy. —	NE 3 NE 3 NE 3	39	44	51
Saturday, April 16.	-27 -30 -32	Flying clouds, cumuli & bright sun, with a brisk gale, very fine and drying, but cold. — A yellow sun set, chiefly clear — but clouds followed.	NE 3 NE 4 NE 1	37	44	51
Sunday, April 17.	-30 -32 -29 -32	Cloudy from low clouds & little wet early, the wind calm & for a while NW at 6½ a.m. — Cloudy all day, with dense dusky cirrostrati & cumuli but little wind. A few drops of small rain at times.	NNE 1 NNE 1 NNE 1	37	46	50½
Monday, April 18.	-31 -32 -30 -32	Clear at ☉ rise, afterwards clouded in part: some sun, but after 9, very cloudy all the day & nearly overcast. A general veil of cirrostratus at a considerable elevation. Cloudy & calm eveng, but not so closely clouded.	NNE 1 N 0-1 N 0	40	46	49
Tuesday, April 19.	-33 -32 -30	Cloudy morng; slowly clearing off — a very bright & cheerful day after 10 — throughout sun very warm & no cloud but a few small cumuli at times: clear and calm eveng, splendid golden sun-set.	NE 0 E 1 E 0	40	46	58
Wednesday, April 20.	-29 -29 -30	Fog early, cleared at 7 a.m., very bright & warm. Therm at 9 a.m. 54°. — A very bright, warm and lovely day, and all nature opening fast. — Sun set in cirri — foreshewing a foggy night. Cowslips plentifully in flower. —	NE 0 E 1 E 1	36	48	65

APRIL 1842.

Day	Barometer	APRIL 1842.	Point and force of Wind	Thermometer lowest early AM	8 am	Highest State
Thursday, April 21.	30·32 ·29 ·25	Fog wetting the trees early until they dripped as a shower - clear after 9 - and very fine, bright, & warm - with a fresh drying breeze. Evening cloudy and a blustering breeze at ENE. —	NE 1. E 3. E 3.	37	48	61
Friday, April 22.	·17 ·12 ·10 ·12	Fine morng, warm breeze, no dew, & grey clouds with sun, and an electrical smell in the air. Bright without a cloud through the day, and very warm, with a pleasant breeze. — Thin white streaks of cirrostrati came on at eveng, & 2 Parhelia seen for 1½ hour. - Soft eveng, little haze about the moon. -	E 2. E 2. E 1.	43	53	66
Saturday, April 23. Lightning in S. at 4 a m. -	·04 ·06 ·07	A train of curdy or knotted cirrocumulus passing from SE, at ☉ rise. - Bright and lovely morng; and a very fine, bright, and very hot summer-day, with spongy cirri & cirrocumuli. Dark cirrostrati at 6 & 7 pm about South. 8 pm Thr 55°. - Clear night: —	E 0. Var. 0 & ½ W ½ SE ½. SW 0	44	57	76
Sunday, April 24. Full moon 11½ pm. -	·07 ·09 ·13	Clear & calm - lovely morng, a very brilliant and extremely hot day, perfect calm, and true summer weather. - Some white trains of knotted cirro-cumulus. At 1 pm Thr 124° in sun. - Dense cumuli drew on & collected at 3, and a severe thunder-storm burst over the parishes 4 miles or more to SW. - Vivid lightning & jarring thunder with some heavy rain here 3½ pm. Nimbi about & continual thunder the whole evening, but fine & sunny here. 8 pm Th 56°	NW 0. W 0. - Var. 0 & 1. - chiefly W ½. SE 1. SW 0.	45	57	78
Monday, April 25.	·19 ·23 ·29	Very bright and hot, with a gentle breeze; the cuckoo (a pair of them) passed over from SE at 8¼ a m, and sounded the cheering note. Thermr in sun at 1 pm 120° and in well water 48° from a 16 ft. well. - Some cirro-cumuli to day - and a sheet of cloud on WSW horizon resembling an anvil - apparently the tail of distant nimbi - 5 to 7 pm. —	Var 0. - E 2. E 2.	44	59	74
Tuesday. April 26. △ ♂ ♃	·25 ·25 ·24	Very bright sun all day, no cloud, but a much cooler atmosphere with a brisk and parching breeze. Clear orange & lake sun-set. A branch of cirrus rising in the East like a flame & blushing as the sun set rays became refracted. —	E 3. ENE 3. NE 3.	41	55	63½
Wednesday, April 27.	·20 ·15 ·17	Clear bright & windy - some white collapsed cirri & some curled. — Chiefly bright through the day, no other cloud than cirri which abounded in curls, sheets & plumose tufts, and a brisk gale at E. — The cirri coming from SE. —	ENE 3. E 4. E 2.	42½	55	62
Thursday, April 28.	·20 ·23 ·27	Very fine, bright and hot, some cirrocumuli, undulated cirri, and cumuli lying near West horizon. Serene and clear evening, orange ☉ set; and a range of Cirrus on W horizon.	E 1. E 1. E 1.	47	57	71

APRIL 1842.

Day	Barometer	APRIL 1842.	Point and Force of Wind	Thermometer lowest early AM	8 am	Highest State
Friday, April 29.	30·24 ·18 ·18	Very bright sun, cirri in undulating lines or festoons, during forenoon. Continual bright sun, and parching breeze. A fog came on at 8 pm, continued all the night, and wetted the trees till they dripped. —	E 1. E 2. E 1.	40	56	69
Saturday, April 30.	·05 ·02 ·05	Fog cleared off - 6 a m - a very bright and hot day, no cloud, except at 7 a m, the cirrocumulus in knotty divisions. — A pure golden sun-set, and clear evening and night. —	E 1. E 2. E 1.	45	57	72

Results for April 1842. —

Barom^r			Thermom^r		
Highest on 9th	30·51		Highest on 24th	78°	
Lowest on 1st	29·25		Lowest on 6th a m	31	
Range	1·26		Range	47	
Mean of Month	30·1858		Mean of month	47·866	

Rain only ·32 of an Inch, Evaporation 3·90 Inches, Prevalent winds E, and NE, and fine days 25 in number. —

This was a very fine and dry month, and with a favourable temperature, so that although some keen winds blew at times, yet with the hot sun & clear skies at many intervals, vegetation was early in advancement. — No material sickness beyond the usual vernal disorders, except a few cases of previous fever remaining from protraction or infection. —

MAY 1842.

Day	Barometer	MAY 1842.	Wind	Thermom^r lowest early	9 a.m.	Highest state
Sunday May 1st.	30·12 ·17 ·20	Very clear morng, and the same all day except cirri in tufts & spongy sheets - but very bright and hot sun, brisk and parching wind; Clear orange ☉ set wind brisk all night, & a clear sky. —	NE 2. E 3. NE 4.	43	63	71
Monday, May 2nd.	·23 ·21 ·17	Very bright sun and brisk wind, some cirro-cumuli and rocky clouds on SW horizon at noon, also small knotty clouds Eastward intersected by white lines of cirrostrati clear ☉ set, orange twilight. —	ENE 3. ENE 3. ENE 1.	47	59	65
Tuesday, May 3rd.	·04 ·02 ·01	Clouded over with low blue vapour, until 10, afterwards a beautiful day, bright sun and nearly calm, a blue haze thinly spread below - with strong electric smell. - Some distant cumuli after 3, and a brilliant halo after 4 pm. - Cloudy night. —	NW 1. NW 1. SW 1.	39	47	68
Wednesday, May 4. -	·00 ·03 ·01	Cloudy morng clearer after 10, mixed clouds & sun, pleasant day; the dusky cumuli, cirrostrati, & cirro-cumuli. — Serene evening, and became a clear night calm, and stars bright. —	NW 1. W 1. W 0.	50	53	66

MAY 1842.

Day.	Barometer.	MAY 1842.	Point and force of wind.	Thermometer: Lowest state early	9 am	Highest State.
Thursday May 5.	30·00 29·97 ·84 ·78	Clear morng, bright & warm with cumuli & cirro-cumuli, & some cirri as day opened. — Fine and pleasant all kinds of cloud from cirri to cumuli & cirrostrati, sun between, and brisk wind. — Dark clouds and wind during evening and shews for rain, & storm. —	SW 1. SSW 3. SSW 4.	42½	60	65
Friday, May 6.	·53 ·49 ·50	Rain since midnight - early this morng, fine & bright morng with cumuli clouds. Some short & hasty showers with gusts of wind, all kinds of clouds & sun at times. The wind less between the showers. — White dappled cirrostrati - eveng.	SW 3. SW 4. & 2. SW 2.	50	58	63
Saturday, May 7.	·47 ·30 ·33	Cloudy morng, rain at times, & wind. after 11am clearer. Stormy after 12. sudden and strong gales. flying cumuli & sun. A heavy beating shower about noon, but a fine afternoon, chiefly sun, & strong wind. Haw-thorn & lilac in flower. & maple in leaf, with the Oak for some days past.	SSW 4. SW 6. 47. SW 7. WSW 4.	48	52	61
Sunday, May 8.	·44 ·55 ·75	Many cumuli, white cirrostrati & mixed clouds with sun & boisterous wind; nimbi by 10 am, a few drops fell. Very stormy with sudden flying showers, sun at times, rocky nimbi intersected by cirrostrati. At 1 pm very black with violent thunder 7 miles SSW. — Handsome scenery in variety of clouds. Eveng more settled.	WSW 4. W 4. WSW 4. WNW 4. W 2.	47	56	63
Monday, May 9.	·96 30·05 ·20	Morng chiefly bright. with mottled cirrostrati. the day mostly fine with sun, and cumuli clouds, some distant showers. Calm & serene evening with dark mottled clouds, distant thunder 3 pm - SW.	W 2. NW 2. & 3. N 0.	44	55	63½
Tuesday, May 10.	·27 ·26 ·24	Clear & dewy morng, a very fine, warm, & pleasant day, chiefly sun & cumuli clouds, Ash in leaf. New moon 11 am. — A very pleasant eveng, soft blue cirrostrati & red sun-set. —	W 1. W 1. SW 1.	42	56	68
Wednesday, May 11.	·17 ·10 ·02	Grey haze & cumuli. warm breeze & sun; chiefly bright in the day, with woolly cirrostrati in stripes, some cirro-cumuli & brisk wind. Black knotty clouds & haziness during eveng, & a warm night. —	SE 2. SSE 4. ESE 3.	42	58	66
Thursday, May 12.	·02 ·06 ·09	A crimson sun-rise, & a sheet of dotted cloud nearly covering the sky, very cloudy all day with haze, and electric smell. Sun gleaming. Cleared off to W. at 6 pm against the lower breeze. many ribbed cirrostrati during eveng.	Var 0. NW 1. NW 1.	48½	56	60
Friday, May 13.	·12 ·14 ·20	Blue fog early cleared after 9 am. — a very fine, bright and warm day, some haze as smoke dimmed the sun, — Sun set red in ash-coloured haze. Calm and soft eveng. —	WNW 1. WNW 1. W 0.	46	55	70
Saturday, May 14.	·27 ·35 ·42	Sun rose as it had set, clear from clouds, but a continued haze reddened the sun, and it set again red - in bluish haze, and belted by the haze like Jupiter. — 8 pm Th 51°. —	W 0. SE 1. SE 1.	42	63	71

MAY 1842.

Day.	Barometer.	MAY 1842.	Point and Force of Wind.	Thermometer: Lowest State early	9 am	Highest State.
Whitsunday, May 15.	30·49 ·52 ·55	Very fine & serene, sun rose red in blue haze, thin haze & small cumuli with sun, a warm & pleasant day with a breeze, cumuli, haze, & sun; An arc of lead-coloured cloud from NE to S - on horizon all the eveng - some thunder. Orange sun, rather red - in blue haze at setting. —	E 0. E 2. ENE 2.	43	60	68
Monday, May 16.	·55 ·52 ·51	Small cumuli, pale haze & sun. chiefly bright through the day & very warm, with a breeze. Some linear cirri, but chiefly a clear sun set. — Clear night & a light and keen breeze, — yet not cold. —	NE 2. NE 2. NE 2.	47	62	70
Tuesday, May 17.	·42 ·36 ·31	Cloudy forenoon and rather cool, but a bright afternoon. cirrus & small cumuli, with a coloured halo about the Sun. Evening and night in part cloudy, and a little wind.	NNE 2. N 3. N 2.	46	54	65
Wednesday, May 18.	·19 ·12 ·08	Cloudy more or less the whole day, trifling wet in the morng about 8 am. — Slight gleams of sun, afternoon. Cloudy evening, and the night the same. A little light wet at intervals, just darkening the dusty roads.	Var 0. E 0 E 1.	48	52	60
Thursday, May 19.	29·97 ·92 ·87	Cloudy morng, clearer after 10 am, Noon & afternoon, chiefly sunny, with cirrocumuli cumuli in loose bodies & blue haze. — Warm and pleasant atmosphere. All nature in full beauty of verdure. — Black cirrostrati & a shower at 6½ pm.	SE 0. SE 1. W 3 & 0.	48	55	68
Friday, May 20.	·80 ·82 ·83	A stormy sky with all kinds of cloud - but mostly fine here, & sun at times. - rather windy & cool. Cloudy eveng, wind & stormy atmosphere, little wet during night.	SW 3. SW 4. SSW 3	43	57	63
Saturday, May 21.	·87 ·88 ·91	Light shower early, warm & growing morning, flying cumuli, scuds & sun, - a fine day, but windy with clouds & sun, & the clouds of all kinds, except nimbus & stratus. Black undulated & dotted cirrostrati - eveng.	SSW 3. SSE 3 S 1.	50	59	64
Sunday, May 22.	·95 ·93 ·93	Many cirrostrati, sheets of haze & cumuli - with cirri above them, sun at times, yet seldom quite bright. but after 4 pm the sky became chiefly clear, some rocky clouds opposite the wind on NW horizon 6 pm. —	S 1. SSE 2 SE 3.	49	60	64½
Monday, May 23.	·96 30·01 ·05	Warm & pleasant morng, long black & white cirrostrati & loose cumuli passing off - chiefly bright with cumuli after 8 am - and a very sunny day. some cumuli, and a breeze. Quite clear after 3. till after 8 pm. Some hazy cirrostrati about the moon at night.	S 2. SSE 3. S 3-2.	46	62	69
Tuesday, May 24.	·02 29·91 ·93	Close morning with serrated cirrostrati & a little rain, fine but cloudy & sultry forenoon. Full moon 9½ a m. Heavy rain from noon till 2½ pm, steady & continued, afterwards finer. Therm 61° at 10 am & after, but during the rain 57° to 55°. — Fine eveng, in part clear. A charming rain & much wanted for the hay-crops just now. —	SE 0. NW 2. NW 3 W 2.	49	60	61

MAY 1842.

Day	Barometer		Point and force of Wind	Thermometer: Lowest state early	at 9 a.m.	Highest state
Wednesday May 25.	30·01 ·02 ·04	Clear morng, loose cumuli followed in a very fine day, chiefly sun & cumuli clouds, with a brisk wind at times; lilacs getting off their bloom, & laburnum in full flower for some days, an early season. Every tree fully in leaf. – Bright & lovely eveng till ☉ set. – Some clouds after.	SW 2. S 3. SSE 3. S 2.	46	60	65
Thursday May 26.	29·97 ·96 ·97	Cloudy & rain at times all the morning, finer & clearer after noon, sun at times, much scud, and the white cirrostrati above. Very soft & warm atmosphere. Cleared up fully at 6 pm, soft and lovely eveng. Trains of cirrocumuli. –	SE 3. SSE 2. S 3. SE 1.	49	57	65
Friday. May 27.	30·07 ·09 ·10	Thin clouds below, cirrocumuli above, very warm morng; a fine and close day, large loose cumuli, blue haze, & sun. – A halo at 6 pm, sultry & thick eveng, Th. 8 pm 62°. black knotted clouds at 9 & 10 pm. –	SSW 1. SW 1. SW 0.	52	62	70
Saturday, May 28.	·12 ·17 ·24	Cloudy with rain early, sultry & growing weather. – Fine after 8 am, became clear at noon, bright & very warm afternoon, some cumuli clouds.] Elder flowers. Clear and hot eveng, dewy night. Thr 58 – 48.	W 0. W 1. W 0.	53	58 to 60	69
Sunday, May 29.	·25 ·23 ·16	Clear & dewy morng, a very bright and hot day, some small cumuli & cirri. All nature in highest splendour; Dog-rose in flower. – At ☉ set a sheet of dusky cirri with bands of dark cir'strati in the west. –	SW 1. SW 2 SSE 3.	46	66	74
Monday, May 30.	·10 ·13 ·19	Red ☉ rise, many electrical clouds – cirrocumuli in knotted curdy divisions, and some of darker colour intermixed, chiefly sun, & a hot morng; a fine sunny & hot day, cumuli clouds, & a breeze. – Serene eveng chiefly clear. Some grey cirrostrati about setting sun. – Strong twilight. –	SW 1 W 3. W 1.	50	67	75
Tuesday. May 31.	·27 ·27 ·32	Bright sun with beds of knotty cumuli, approaching to cirrocumi. A very fine, hot and sunny day, with some cumuli. – Lovely evening, serene, and mostly a clear sky. –	W 1. W 2. W 1	50	66	75

Results for May 1842. –

Barom^r		Therm^r	
Max on 15 & 16th	30·55	Max on 30th & 31st	75°
Min on 7th	29·30	Min on 3rd A.M.	39
Range	1·25	Range	36
Mean of month	30·0566	Mean of month	56·645

Rain 1·51 In, Evaporation 4·89 In. fine days 25 – in number, prevailing winds W, SW, & SE. –

This was a lovely, growing, & seasonable month, without frosty nights, and extreme heats. The main feature was dryness to the 23rd day, but after that, the most delightful showers came followed up by warm sunshine. An early spring, similar to the previous two. –

JUNE 1842.

Day	Barometer		Point and force of Wind	Thermometer: Lowest state early	9 a.m.	Highest state
Wednesday June 1st.	30·35 ·30 ·27	Dewy morng, & calm, very clear & hot, chiefly bright all day, with cirri & white cirrostrati, a hot summer's day, with a breeze. Hot eveng, chiefly clear, Therm at 8 pm 65°. – Sultry & close night. ——	SW 2. SW 2. W 2.	47½	70	76
Thursday, June 2nd.	·25 ·27 ·40 ·43	Large cumuli & a warm wind, sultry morning, some sun; rather cooler from the veering of wind after 8, yet a hot day, and bright sun with cumuli clouds; calm eve. dewy & cooler than many past. – A dark cirrostratus rose at 8 against the low current.	WNW 1. NW 2 N 0	57	64	74
Friday, June 3rd.	·44 ·40 ·35	Clear morng, much dew. – Very bright and hot day, some small cumuli. — Lovely eveng; pure sky, sun set in fullest splendour, the orb red, and the sky purple about him. – Calm clear & dewy night, 8 pm 61½°.	NW 0. SW 1. SW 0.	43	66	76
Saturday, June 4.	·26 ·22 ·19	Sun rose as it had set, dewy morng, calm, and clear; very bright and extremely hot the day through, some small cumuli after 11 am – in an upper current opposed to lower one. – Sun set in blue horizontal cirrostrati. Cirrocumuli about. 8 pm Th. 62°.	Var 0. E ½. SE ½. SE 1.	47	71	80
Sunday, June 5.	·13 ·07 ·05	Cirrocumuli, haze, & mottled cirrostrati, with dim sun, close morng; some sun at times but mostly clouded all day with thin sheets of undulated cirrostratus & cirrocumulus in dotted trains. At 4 pm – rocky clouds on the North horizon crossed by stripes of cirrostratus. – During eveng many dense and multiform clouds & very black; lightning and thunder in WSW from 8½ to 9 pm – wind veered with a light shower afterwards cleared & the wind returned to former point. – Th. 62 – 8 pm.	SSE 1. SE 1. SE 1. Var 0. NW 2. SE 1.	53	69	74½
Monday, June 6.	·10 ·19 ·27	Bright and very hot with a parching breeze at SE & ESE. – No cloud hiding the sun all day, but on NW horizon, cumuli appeared. – Pure golden sun-set, some cirri to WSW. Night clear. – 8 pm Thr 61°.	SE 1. SE 2. ESE 3. 2 & 1. –	53	73	79
Tuesday, June 7.	·34 ·33 ·39	Clear & golden ☉ rise; very bright day and very hot, with a continued parching breeze: – beds of white dotted cirrocumulus at times. – Clear ☉ set, night the same – & very strong twilight. 8 pm Thr 62.	E 1. ENE 2. NE 1.	49	69	79
Wednesday June 8.	·39 ·42 ·43	Clear & very hot morng although the wind is brisk NE. – The day continued bright, and very hot, some cirri about. – Clear evening. – New moon 10 pm. Twilight very strong. Thr 8 pm 60° –	NE 2. NE 3. NE 1.	54	70	79
Thursday June 9.	·40 ·37 ·33	Cloudy till near noon with general low scud, bright and hot afternoon some cirri of many forms. A clear evening & night, very bright twilight of orange tint, and a breeze continued all night. All nature in highest beauty, and the grass & corn getting tall. ——	NE 2. NE 2. NE 3.	52	60	75

Day	Barometer	JUNE 1842.	Point and force of Wind.	Thermometer lowest state early	9 a.m.	Highest State.
Friday, June 10.	30·30 ·30 ·32	Bright and hot morng, with a light breeze; a very clear and hot day, and the parching breeze continued. – The sun set in full golden splendour, and the twilight very strong. –	NE 2. NE 3. NE 2	52	68	78
Saturday, June 11.	·35 ·39 ·42	Some clouds very early & the knotty cirrocumuli after 6 am, afterwards very clear, and very hot. some cirrocumuli passed in an upper SE current at 11 am; the rest of the day no cloud. light breeze, & extremely hot: the Thermr stood 81° for 3 hours – till after 3 pm, & at 4 pm 78°. – 7 pm 71° – & 8 pm 66°. – Sun set in perfect splendour. Strong orange twilight.	NE 2. NE 2. ENE 2.	53	70	81
Sunday, June 12.	·45 ·48 ·50	Sun-rise, was as it had set, very bright throughout the day, and excessively hot; at 11 am Th 81°; at 12 – 84°; before 1 pm 86°; & so it stood for about 20 mins – afterwards falling with a breeze. At noon it was 144° in sun, and well-water from a 16 ft well, was 57°. – At 5 pm. I observed the anvil-shaped head of a very distant thunder-cloud on SW by W – horizon – thus some cirri in many forms during evening, some collapsed & all red with setting sun. – Scuds from NE – 9 pm. –	E 1. ENE 1 E by N 2 Thermr 66° – 8 pm.	54	74	86
Monday, June 13.	·46 ·40 ·38	Scuds early & cirri above, – became clear at 8 am, a very clear, calm and extremely hot day; after 3 a little breeze from SE. and some fleecy cumuli in an opposite current. At 5 pm, a train of silvery cirrocumuli in curdy knots across the West, and during eveng a mixed bed of such with mottled cirrostrati. Sultry night – 8 pm 64° & at 10 – 61°. – Distant lightning on South horizon. –	NNW 1 NW 0. 0 1. SE 1. S 0.	53	68	83
Tuesday, June 14.	·38 ·31 ·22 ·21 ·19	Some black cirrostrati early, with a few drops, became bright and excessively hot, close and sultry. Some cumuli after 11 am, and they at times hid the sun during the afternoon, Thermr for 3 hours – from 87° to 82° as the sun changed from immersion to emersion & vice versa. In sun 144° before noon. – At 4 pm – dense cumulostrati joined in NW. & thunder commenced, beautiful rocky tower-like clouds in South & other points. Thunder-storms all round us till near 6 pm – at a very short distance. The lightning very vivid in curve lines of bluish white & the thunder constant & very loud & reverberating. Some rain here from 4¾ to 5¼ pm. – Clear after 6 pm – calm & hot – and the sun in full splendour till near setting, then it sank red behind cirrostratus. 11 pm clear, with meteors – Thermr 61°.	SSW 0. Var. 0 W by N 1. ENE 1 W 2. (8 pm Th 66°. mist on the valleys.)	56	75	87
Wednesday, June 15.	·15 ·22 ·20	Cloudy morng & blue mist, rain at 9, but soon became fine, grey cumuli & sun, and some cirrocumuli. Chiefly bright after 3. Sun set red in dusky haze, some scuds followed after 9 pm. –	NW 2 NW 2. NW 1.	56	61	71

Day	Barometer	JUNE 1842.	Point and Force of Wind.	Thermometer lowest state early	9 a.m.	Highest State.
Thursday, June 16.	30·10 ·13 ·19	Morng chiefly bright, and the warmth still considerable; some cumuli & white cirrostrati after 8 am – a fine and pleasant day. cumuli cirrocumuli & sun, and very warm, – with a breeze. Much cirrostratus in undulated feathery & mottled forms during Eveng. –	WNW 2. NW 3. 2 & 1. NW 0.	52	66	75
Friday, June 17.	·25 ·26 ·29	Dark undulated veil of cloud in parallels & festoon forms all the morng, calm & warm. – very cloudy all day & comparatively cooler, wind variable & calm. Dark cumuli – cirrostrati & general cloudiness, very little gleam of sun, but fine. Evening and night cloudy & uniform with the day. –	Var. 0. E 0. E 0 & ½. NE 0.	54	61	65
Saturday, June 18.	·24 ·14 ·10	Undulated veil of cloud continues, – and great change to coolness, very cloudy all with cirrostrati & mixed bed of dark clouds, and but little gleam of sun; at 6 pm – it became overcast with light rain till 7, afterwards fine & more serene again. –	SE 0. SE 1. SE 2.	50	55	62
Sunday, June 19.	29·92 ·85 ·82 ·83	Cloudy with thin haze & warm, – clearer after 8 am; fair & very warm till 11 – afterwards stormy – dark raggy clouds wind & showers. Finer after 4, with many rocky banks of cloud & cirrostrati also, sun at times and a warm breeze. Eveng less windy & more fine. – Distant Thunder in South at 2 pm. And lightning 9 pm – on SW horizon, – and Th 61°.	SSE 0. SW 2. S 3-4. SW 3. W 1.	50	66	68
Monday, June 20.	·91 ·91 ·87 ·86	Grey clouds & close morng. became clearer after 9 am, very hot forenoon, large cumuli & sun, black nimbi collected at noon in S, violent thunder, lightning & showers till 2 pm – a very heavy dashing shower 1½ pm. – Again bright with mixed clouds. Other dark nimbi at 4 pm – with much thunder in S W – & NW. and even in all quarters, lightning vivid. – Sultry eveng – raining from 7 to 8. close night – 9 pm Th 60°. –	S by W 0. S 2. S by E 3 SE 3 E 1.	54	63	75
Tuesday, June 21.	·83 ·77 ·81	Summer Solstice, Longest Day. Bright morng. hot & chiefly cumuli, cirrostrati & sun till after 2 pm, dark clouds with thunder before 4, in the North, and very black in the W – & WNW – after 6 – with continual thunder till 8 – at about 20 miles distance. – Close night with dark pluvial clouds. –	SW 1. SSW 2. SW 1	55	63	74½
Wednesday, June 22.	·90 ·89 ·90	Bright and hot with cumuli clouds, cirri in hary streaks, and some cirrostrati. Distant black nimbi after 5 pm. – Full moon 9½ pm. Clearer night. – 8 pm 62.	SW 2. SW 2. W 1.	55	67	74
Thursday, June 23.	·94 ·98 ·96	Bright sun & cumuli clouds, the whole day chiefly the same, and hot, seasonable & good weather. – Evening clouded with cirrostrati and very warm & windy all night. 8 pm 63°. – A delightful summer to this time. –	W 2. W 2. WSW 3.	53½	65	74

June 1842.

Day.	Barometer.	June 1842.	Point and Force of Wind.	Thermometer Lowest state early	9 am.	Highest state
Friday. June 24.	29.84 .80 .87	Cloudy and sultry morng, low clouds, & a little wet; chiefly cloudy through the forenoon smart shower near noon for 20 mins finer afternoon, some sun, and brisk wind, with cirrostrati and low clouds. A parhelion N. of sun, & inverted halo this eveng.	SW 3. SW 4. SW 2.	57	64	71
Saturday. June 25. ☌ ☉ ♀	.93 .91 .70	Hazy, thick, and cloudy morng, wind, and after 11 a little rain till 12, afterwards a little finer, less wind for an hour, but at 2pm & after, clouded, windy, & stormy, little wet at times: gale during eveng, still cloudy, & little wet. Cleared after 10pm Thermr 61° at 8 warm night.	SW 3. SW 2. SSW 5 SW 6.	54½.	63	66
Sunday. June 26.	.77 .83 30.01	Bright morng, with flying cumuli, the day bright with boisterous wind, and cumuli clouds. A nimbus passed at 6pm 7 miles N. Less wind during eveng, and sky chiefly clear.	W 5. W 5. W 3.	55	63	69½.
Monday, June 27.	.18 .30 .38	Bright sun, cumuli clouds, and brisk wind, very parching, and hot in the afternoon. Eveng less wind, with rocky cumuli upon cirrostrati. Clear and serene night.	W 3. W by N 3. WNW 1	52	62	72½
Tuesday, June 28.	.40 .34 .29	Very clear & still morng; bright and very hot day with cumuli & afterwards silky white cirrostrati and cirrocumuli. Near ☉ set, a most beautiful sky filled with these clouds in dapples. Very hot eveng, 8pm 67°.	WSW 1 WSW 2 SW ½.	49	66	78
Wednesday, June 29.	.20 .17 .20	At 5 am & till 7, a beautiful sky of similar clouds to last eveng; rich mixture of cirrocumuli knotty cumuli & strips of white cirrostrati: after 8 a change of wind & clouds, bright and hot morng: a bright and very hot day with cumuli clouds. Lovely eveng, some cirro-cumuli & cirri. 8pm Thermr 67°.	W 1. NW 2. W 2. E 1.	58	69	78
Thursday, June 30.	.13 .05 .00	Sheets of cirrocumuli early, passing against the lower breeze, clear & hot from 8 till after 9 am, black clouds rising in SW, distant thunder all the forenoon, cloudy the rest of the day, little rain at times. At 9pm very black in S & SE with continual thunder and lightning in very brilliant sheets also black fragments of cloud gliding over us. Heavy rain after 10pm the lightning and thunder very near, but chiefly to the SE of us, afterwards distant. Rain all night.	ENE 1. NE 2. ENE 3. E 3. ESE 3.	53	67	68.

The Results for June 1842

Baromr		
Highest on 12th	—	30.50
Lowest on 25th	—	29.70
Range	—	0.80
Mean of month		30.171

Thermomr	
Highest on 12th & 14th	87°
Lowest on 3d morng	43
Range	44
Mean of month	63.84!
Mean of extremes	65°.

Conclusive Report, June 1842.

Rain in June 1842 was only 1.05 in, but the Evaporation was as great as 5.85 inches! — the prevailing winds SW, NE, & SE, and the number of fine days 24.

This month was very hot and dry with us, and in most parts of England also. — On the whole it was the hottest June for many years past and the effects of the drought became great. All the corn and clover upon heavy land is short in stem, owing to previous wet, & latter drought. The fed pastures getting bare but hay-crops are tolerable, and many have long secured their bulk of clover & hay. — The orchards only partially promising, but cherries & garden fruits generally abundant & early ripe, currants rather less abundant. — No great sickness beyond languor from the heat. —

July 1842.

Day.	Barometer.	July 1842.	Point & force of wind.	Thermometer Lowest state early	9 am	Highest State
Friday, July 1st.	29.83 .98 30.01	Continual rain all the morng & till noon distant thunder & lightning early, afternoon it cleared off at times bright, with cumuli & cirrostrati. Dark blue clouds in NW. 6 & 7 pm, calm eveng till 8, afterwards wind & some clouds.	NNW 2. NW 3. WNW 2. W 0. & 3.	51	53	66
Saturday, July 2nd.	29.95 .93 .98	Clear morng clouds followed cirri & all clouds with sun at times. Black nimbi about N. 4-5 pm thunder also and Southward at 6½ pm. Wind boisterous in the day, less in the eveng, and clouds lighter.	W 3. W 5. W 5-3.	54	63	67½
Sunday, July 3. ☍ ☉ ♄	30.09 .10 .08	A very fine, warm & pleasant day, cumuli clouds and sunshine, with a fresh breeze. Eveng calm and more hazy, with cirrostrati. — Close night, mottled cirrostrati in spotted sheets. —	W 2. W 2. W 0.	51	64	72
Monday, July 4.	29.92 .89 .81	Cirrocumuli above & scuds below, sultry with sun, the scuds bringing trifling wet at times near 9 & 10 am; very fine after 10 very hot and sultry, the same upper clouds with fleecy cumuli & sun. — Sultry eveng & beautiful dappled trains of cirrocumuli. 8pm Thr 66° — & at 9pm 63°. —	SW 2. SW 2. SW ½.	56	66	77
Tuesday, July 5. ☍ ☿ ♃	.78 .87 .98	Squalls of wind, cumuli, cirrocumuli, and sun, a boisterous day, but fine, and warm. A nimbus passed to S. 5½ pm, eveng more settled, and wind less.	SW 5. WSW 6. WSW 3.	60	66	71
Wednesday, July 6. ☍ ♂ ♄	30.13 .24 .31	Bright morng, cumuli clouds & a breeze. A fine day, cumuli, cumulostrati, & sun: Serene eveng, dense rocky cumulostrati lying eastward. —	W 3. W 2. W 0.	50	64	70
Thursday, July 7.	.28 .17 .04	Bright dewy morng, hot till after 9, afterwards dark clouds & little wet at intervals; windy, cloudy & unsettled evening some little rain at times. —	SW 0. SSW 2. SW 3.	46	64	67

July 1842.

Day.	Barometer.		Point and force of Wind.	Thermometer Lowest State early	9 am	Highest State
Friday, July 8.	29.96 ·90 ·81	Hazy morning with plane cirrostrati yet very favourable for viewing the great Solar Eclipse, and I observed it throughout from before 5 to near 7 AM. — Greatest darkness at 6¾ AM. when it appeared as opposite drawing. — New moon 7 am. A fine, warm sunny day, with cumuli, cirrocumuli & cirri. — Some blue electrical haze. Cloudy eveng after 8. and heavy rain 11-12 pm.	SW 1. SW 2. SW 3.	52	62	70
Saturday, July 9.	·76 ·87 ·86	Cloudy morng little wet, soon cleared after 8. a pleasant day - cumuli, cirrocumuli & sun, with an agreeable warmth. At 4 more clouded with a scroll cloud, and cloudy eveng, rain at times.	WSW 3. 2 = 4 WSW 2 = 1 = 0.	52	60	70
Sunday, July 10. ☍☉♃	30.00 ·06 ·06	Bright & lovely morng, loose cumuli flying. A very fine, warm, sunny & pleasant day, with cumuli & cirrocumuli clouds. Calm & brilliant eveng, some cirri in various forms, spongy, curled, & ribbed. — Much dew on the valleys. 8pm Thr 60°.	SW 3. WSW 2. SW 0.	52	64	71
Monday. July 11. ☌☿♃	29.91 ·82 ·80 ·82	Bright sun-rise, a sheet of mottled cirrostrati then passed till 8 am. with rapid increase of heat, clear & very hot soon after 8, and beautiful trains of spongy cirrus & cirrocumulus in finest dots of white. — Upper current SW. — A very hot day, chiefly sun with cumuli & cirro-cumuli clouds, and a brisk hot breeze. — Therm 80° till after 3, and at 4½ pm 77°! Distant thunder & lightning in the East after 7 pm - & most of the night. — Dark knotty clouds & every variety of beauty in sky scenes. - 8pm Therm 70° - and at 9pm 68°. — Sultry night.	SE 2. SSE 3. SSE 3. 4 = 2. S 1.	52	71	80
Tuesday, July 12.	·95 30.10 ·22	Sheets of cirrocumuli & sun - with distant thunder Eastward all the morng in dark clouds. A fine, bright and very hot day, with cumuli clouds; A brilliant coloured section of a halo at 10½ am. — The small fly abundant on the walls &c to day. Bright and lovely eveng. some cumuli & small white crowned cumulostrati. 8pm 64°.	W 2. WNW 2. W 1.	59	67	76½
Wednesday, July 13.	·29 ·30 ·33	Bright ☉ rise, much cirrocumulus & thin cirrostrati during forenoon with blue haze, afterwards bright & very hot with cumuli & cir-cum. Dark clouds passing low at 5. 6. & 7 pm. little wet, soon cleared to a yellow ☉ set. Twilight rose coloured, and Therm 65° at 8 pm. —	SW 2. SW 3. SW 3. 2 & 1.	51	66	77
Thursday, July 14.	·47 ·48 ·50	Splendid sunshine, lovely morng. a very fine and bright day, cumuli clouds, & very hot with light breezes. Sun set very brilliant & clear except streaks of cirrus. Sheets of knotted cloud passing after 9 pm. —	SW 1. W 2. 3 & 1. WNW 0.	52	68	77
Friday, July 15.	·52 ·48 ·49	Splendid morng, no cloud, much dew. — A very bright calm & hot day. cumuli & cirri in curls. — A pure golden sun-set no cloud. calm night, and very strong twilight.	NW 0. NW ½. SE ½. E 2.1.0	47	68	78

July 1842.

Day.	Barometer.		Point and force of Wind.	Thermometer Lowest State early	9 am	Highest State
Saturday, July 16. ☍♀♃	30.38 ·30 ·21	Bright sun and a parching breeze, some small cumuli. A hot day. — In the afternoon cirri rising against the lower wind. Brilliant sun-set. — Clear night. little wind.	E 2. E 3. E 2.	47	65	74
Sunday, July 17.	·14 ·09 ·02	Some scuds early, bright and parching day, abundance of curled cirrus, and in the SW thick sheets of it rising against the lower wind. — The breeze moderating the heat. — Dark clouds in an arc about SW all the eveng, and thunder during night - some black cirrostrati passing.	chiefly East by South. E 3. E 3-4. E 2.	49	65	71
Monday, July 18.	·01 ·03 ·04	Much cirro-cumuli in curly divisions. very hot morng, chiefly bright; bright and very hot through the day, some cirrocumulus, and in the west a skirting of cloud with very distant thunder. — Very sultry evening - much cirrostratus & cirrocumulus in dots & serrated lines. 8pm 68°. 10pm 64°. —	E 1. ESE 2. ESE 1. Var. 0.	55	73	79
Tuesday, July 19.	·04 ·01 29.97	Very sultry morng. same kind of clouds as last eveng; a very hot and oppressive day, bright at times but frequent sheets of mixed cloud passing - undulated cirrostratus in festoons, and cirrocumulus. More hazy & cloudy with some wind after 3 pm. Close eveng, dark clouds of many forms. — 8 pm Therm 67°. - Much rain after 12 night. —	SE 0. SE 1. & 2. SE 1.	57	73	80
Wednesday, July 20.	·90 ·90 ·88	Heavy rain all the early morn till 5, became fine & clear at 9, fine till 3 pm - some sun hot & sultry with large cumuli & cumulostrati. Dark clouds met over head at 3. with a violent storm, torrent of rain, hail, lightning & thunder. The clouds passed to NNE. Fine eveng. much vivid lightning all round the S. from W to E. at 9 pm and after, in a great body of mixed clouds, chiefly cumulostrati in groups, & nimbi behind them.	SW 1. Var. 0. SW 1. Var. 0.	60	66	73
Thursday, July 21. △☉♅	·86 ·90 ·96	Foggy from low clouds after sun-rise - rainy from 10½ am. till noon, heavy at 12. finer afternoon, but chiefly cloudy. Eveng clearer.	W 1. NW 2. NW 2. & 3.	52	58	62
Friday, July 22.	30.07 ·16 ·27	Cloudy, cooler breeze, little wet at times Full moon 11 am; - finer afternoon but cloudy continually. Eveng the same little wet at times. Warmer in comparison to the day.	NW 3. NW 3. NW 1.	50	56	63
Saturday, July 23.	·32 ·35 ·34	Cloudy forenoon, afternoon bright, with grey cumuli, very warm, and pleasant. Eveng bright & serene, sun set in golden splendour. — Straight sheets of mist on the valleys.	NW 1. NW 1. NW 0.	53	56	69

JULY 1842.

Day.	Barometer	JULY 1842.	Point and force of Wind.	Thermometer Lowest state early	9 a.m.	Highest state.
Sunday July 24.	30·27 ·21 ·16	Clear morng. heavy dew, very bright all day and extremely hot, no cloud except a few small cumuli after 2 pm, and nearly calm. The small fly abundant on the walls &c. – Sun in full glory till setting, when it sank in blue clouds. 8 pm 66°.	NW 0. NW 0. & 1. E 1.	46	67	80
Monday. July 25.	·11 ·12 ·13	Cloudy and close, so continued till after 2 – then a little sun. Evening bright and sun set clear. some long loose cirrostrati & cooler air. – Changeing yet very fine summer weather.	E 1. E 1. E 1. E 1.	54	63	72
Tuesday, July 26. △♀♄	·14 ·16 ·27	Clear morng, much dew, very fine day cumuli clouds & sun. Serene evening sun set clear. Still and dewy night some clouds after 10 pm. –	NE 0. NE 1. NE 0.	47	62	73
Wednesday, July 27.	·30 ·32 ·28	Very clear morng after ☉ rise, and a bright & very hot day till after 2 pm – a few cumuli only. After 3 – more cloudy, and a breeze from SE. Various clouds & haziness during eveng, a few drops, and at 11 & 12 pm – heavy thunder-storm. –	E 0. NW 1. & 0. SE 3-2.	51	66	77
Thursday, July 28.	·24 ·15 ·05	Heavy showers during past night. fine & close morng, grey loose cumuli & sun. A fine & very hot day, chiefly sun, with cumuli – sheets of cirri & white haze – & moving in adverse upper currents. – Dark cirrostrati in mottled ranges during eveng – some undulated. 9 pm Th. 64°.	W 0. W 1. WNW 2.	57	64	77
Friday, July 29.	·01 ·03 ·07	Little showers early & close morng, cleared off after 8 a.m. – Some trifling showers but chiefly fine, with sun, & large loose cumuli. – Dark raggy clouds during evening.	NW 1. N 3. & 4. N 2.	55	61	67
Saturday, July 30.	·12 ·15 ·19	Cloudy morng. trifling wet at times, some sun after 10 –, flying clouds & wind chiefly so all day, but brighter towards eveng, sun set nearly clear some clouds below. –	NW 3 NW 3. NW 1	51	55	63
Sunday, July 31. △♀♃	·23 ·29 ·35	Cloudy morng, and a grey cloudiness the day through, without sun, and a gentle cool breeze. – On the west horizon a brighter sky all the afternoon, sun shone 20 miles off, & nearer at 7 pm. Cloudy & calmer night, also warmer. Cirrocumuli appeared in dapped beds above the grey stratum of cloud as it parted itself during evening. –	NW 2. NNW 3. NNW 2.	47	57	63

Results for July 1842. –

Barom.r { Max on 15th – 30·52
Min on 9th = 29·76
Range = 0·76
Mean of July 30·1056

Therm.r { Max on 11. 19. 24th = 80°
Min on 7th morng = 46°
Range = 34°
Mean of July = 62·032

Conclusive report for July 1842. –

The depth of rain was 3·18 In. at this place, Evaporation 5·21 In., the number of days fine – 24, as the rain was chiefly by night – and the prevalent winds NW to SW. – On the whole a dry & warm month, but the amount of rain was considerable on account of its heaviness on the 1st 20th & 27th days. –

The month of July 1842 was very seasonable & a good month, and in the South of England it was a very dry & parching July, for at Gosport Hampshire but ¾ of an Inch of rain fell, and their harvest commenced on the 18th! The general prospect for corn is good, and the wheat with us, was fit for the reapers on the 31st. – Some here had commenced their toils at the close of the month. – An Epidemic greatly prevailed about us during the month – it was a slow fever coming on with great lassitude, debility, chill, & loss of appetite. –

An awful thunder-storm in London, on 27th night, with immense damage! –

August 1842.

Days. –	Barometer.	August 1842.	Point & force of wind.	Thermometer lowest state early	9 am	Highest state
Monday, August 1st. △♂♅	30·40 ·44 ·42	Cloudy & calm morng, continued cloudy till noon – slowly clearing afterwards – and bright after 2 pm. – Evening very bright and serene. A light bank of cloud about horizon. –	N 0. Var 0. E ½. E 1.	53½	58	69
Tuesday, August 2nd.	·38 ·29 ·23	Cloudy morning, became a bright and warm day, some cumuli clouds, and light drying breeze. – Evening very clear with a pure golden ☉ set. – ♃ & ♄ very bright in the SE 10 pm. –	SE 1. SE 1. E 0.	51	62	71
Wednesday, August 3rd.	·13 ·12 ·11 ·13	Fog early causing the trees to drip; cleared off at 7½ a m – very hot morng, curdy cirrocumuli, a mixture of electrical clouds during forenoon, afterwards bright, and excessively hot. – Sun set in full glory. & rose tint under purple & rose cirrostratus. 8 pm Th. 67 – & at 10 – 63.	E 0. E 0. & 1. E 0.	54	71	83 A meteor passed to S – at 9½ pm.
Thursday, August 4.	·02 ·00 ·03	Golden ☉ rise, bright and oppressive morning, some hazy sheets of cirrus during day – but mostly bright and excessively hot, at 11 a m 80° and from 1 to 3 pm 85°; at 5 – pm only down to 77° – & at 9 pm 67° – A sheet of mottled cirrostratus now come over. –	Var 0. W 0 & ½. W 1. W 1.	56	75	85
Friday, August 5.	·10 ·11 ·09 ·08	Soft cirrostratus breaking & giving way to a bright morng, chiefly sun through the day, and extremely hot, with a fresh breeze & loose cumuli. – Clear & very hot eveng, 9 pm 67° golden sun set and parallel bars of cirrostrati across NW – first of golden tint, afterwards black. –	SW 2. SW 3. SW 1. & 0.	59	75	80
Saturday, August 6.	·08 ·10 ·10	Cloudy very close and sultry; after 11 am – a little wet at times from low & dark clouds. – The Therm.r ceased rising soon after 9 a m –, at 12 – 70° – 2 pm 67° 8 pm 64. – The west clearing up. – New moon 3 pm. –	WSW 1. W 2. W 0.	62	72	73

AUGUST 1842.

The unusually Hot Harvest.

Day	Barometer	Remarks	Point and Force of wind	Thermometer: Lowest State early	9 am	Highest State
Sunday, August 7.	30·13 ·12 ·14	Loose cumuli & sun, a very fine and hot day, and mostly bright, some cirri & white haziness at times. Evening brilliant serene & calm. Some clouds by setting sun.	SW 2. SW 2. WSW 1.	56	68	75
Monday, August 8.	·19 ·22 ·19	A white haze but chiefly sun and a very hot morng. more cloudy after 9 large cumuli and sun, blue haze and very hot & close. Sun set red in ash-coloured haze, without clouds. 8 PM Thr 67° & at 9 64½°.	SW 1. WSW 2. SSW 1.	54	70	77
Tuesday, August 9.	·21 ·17 ·15	Bright & cloudless morng. Very bright all day, and extremely hot, with a sultry breeze: some cirri, no other cloud. Thermom above 80° for near 3 hours. In well water from a 16 ft inclosed well as high as 60°! Pure golden sun-set. Thr 68° at 8. Clear night; several meteors some with trains. all passed to S.	S 1. SSE 3. SSE 3-2. SE 2.	56	73	82
Wednesday, August 10. ♂☿♂	·01 ·00 29·90 ·81 ·80 ☞ ·78	Very bright and most excessive heat rapidly increasing during the morning at 8 am 77° and through the day as marked in the extra column. Chiefly bright till after noon, cirri clouds & hot breezes. More hazy after 1. with cirrocumuli, and on NW horizon rocky groups. The uncommon heat of this day is beyond any for 17 years. Became black in S. at 7 pm and lightning commenced at 8. continued more or less with thunder for above 2 hours. Black cirrostrati & knotty fragments gliding over to NW the wind veering with gusts at 8¼ pm driving up clouds of dust on the road. At 9 pm & after the lightning was remarkably brilliant with curved streams of blue. Oppressive night see Thermr in columns. After 10 the storm passed to NW fine night. Many meteors. Thermr: 10 am 84; 11 86; 12 88½; 1 pm 90; 2 87; 3 84; 4 84; 5 80; 6 79; 7 76; 8 74; 9 72; 10 70	ESE 2. SE 3. SE 2. SE 2. SSE 3 S 4. SW 2 & 1 The breeze prevented a proper noting of Thermr in sun & water in sun.	61	☞ 82	90
Thursday, August 11.	·87 30·07 ·24 ·28	2 morng black knotty clouds & stars between, some meteors showery at times. After ☉ rose became windy & cloudy but at 10 am clearer. A fine day chiefly sun with cumuli clouds. Great loss of heat since the storm, but very pleasant; clear eveng & night.	WSW 3. WSW 3 WSW 2	61	65	71
Friday, August 12.	·41 ·42 ·48	Bright and very hot. a few cumuli clouds most delightful weather. Bright, serene & hot eveng. Thermr 65° at 9 pm some thin cirrostrati tinged rose in NW. Clear night many Meteors.	SW 2. SW 2. SW 0.	53	68	79
Saturday, August 13.	·52 ·56 ·58	Chiefly sun thin light clouds flimsy cumuli, and extremely hot and close. Splendid sun-set full & unclouded golden lustre, even enchanting to behold. Clear & still 9 pm Thr 67° purple & rose about SE.	SW 1. WSW 2. WSW 0.	57½	73	82

AUGUST 1842.

The uncommon Heat - continued.

Day	Barometer	Remarks	Point and Force of wind	Thermometer: Lowest State early	9 am	Highest State
Sunday, August 14.	30·56 ·52 ·50	Light clouds early passed off to a very bright and scorching morng 8 am Thr 75° & in the day as in columns opposite. Some large cumuli from 12 till 2, but generally bright sun, & most excessively hot. The cumuli vanished after 5 pm. Thermr in sun 147° at noon. A mottled cirrostratus by setting sun. Clear and calm night. Haze in SE. Thermr: 11 am 85; 12 86; 1 pm 88; 2 86; 3 83; 4 81; 5 79; 8 69½; 10 66	Var 0. S by E 0. S 0-½. SE 1. ESE 0.	58	80	88
Monday, August 15.	·42 ·40 ·35 ·37	A fog early, cleared after 7 am, and a very bright, and most excessively hot day extremely oppressive, no cloud, Thermr 147° in sun 4 ft from ground on flat board, water on the ground 104° or more, at noon. No cloud till at sun set a few cirri spread over NW but sun disappeared in full splendor. Very hot & sultry night. Thermr: at 11 am 86°; noon 88; 1 pm 89; 2 pm 88; 3 pm 87; 4 pm 84; 5 pm 82; 6 pm 78; 8 pm 71	ESE 0. ESE 0 & 1. SE 1. SE 0.	54	79	89
Tuesday, August 16.	·34 ·38 ·36 ·38	Splendidly clear ☉ rise, cirrocumuli in trains of white curdy divisions passing from 6 to 9 am, in a NW upper current. A very bright day & excessively hot, but rather moderated compared to yesterday, a little breeze & beds of thin raggy cirrocumulus. Sun set clear & red in linear haze and clouds followed obscuring the sky at night from ENE.	NE 0. E 1. E 2. ENE 2 & 3.	56	76	87
Wednesday, August 17.	·33 ·27 ·28 ·27	Cloudy morng cleared at 9 to a very bright and hot day, but less so than many past a fresh parching breeze; sun set in full splendor, no cloud since 9 am. the twilight strong and of brilliant orange. Lovely night.	E 2 E 3. E 1.	61	71	80
Thursday, August 18.	·17 ·14 ·13 ·13	A little blue fog early, splendid ☉ rise very bright, and most oppressively hot and even scorching. a few cirrocumuli in regular ranges, no other cloud till 6 pm, when the sun declined behind dark blue clouds in thick sheets skirting the West: These opened into a mixed bed of electrical cloud more or less cloudy all the eveng, signs of very distant tempest in SW, and uncommonly hot night, at 10 pm Thermr even rising at 71°! at 9 it was 70° then rose to 10 pm afterwards very slowly fell. The hottest night recorded for Augt. Thermomr: 10 am 83; 11 am 85½; 12 noon 87½; 1 pm 88½; 2 pm 87; 3 pm 86½; 4 pm 83; 5 pm 81; 6 pm 77½; 7 pm 75; 8 pm 72½; 10 pm 71	E 0. ESE 2. SE 2. SE 1. SE 3. 2 & 1.	58	79	88½
Friday, August 19.	·07 ·12 ·10 ·11	Very sultry morng, rocky ranges in SW upon plane cirrostrati breaking off, mixed bed of cirrocumuli & haze, sun at times partly bright and very hot. A blue strong smelling haze 2 pm afterwards dark clouds and at 5½ pm gentle rain till after 6, cloudy eveng. 8 pm Thermr 67°.	S 1. SW 2. SW 1. SW 1.	66	76	81
Saturday, August 20.	·14 ·17 ·19	Flying clouds, wind & sun at times, close and warm afternoon, blue cumuli & sun, with a pleasant breeze. Cloudy evening and night.	SW 2. SW 3. SW 1.	61	67	74

AUGUST 1842.

The uncommon Heat – continued. –

Day.	Barometer.		Point and Force of Wind.	Thermometer Lowest State early	9 a.m.	Highest State.
Sunday, August 21.	30·17 ·15 ·18	Full moon 2 am. Cloudy more or less during the forenoon & very sultry, some sun after 11 and the afternoon very hot with dark cumuli, thin cirrostrati & sun, and during eveng a most beautiful mixed bed of cirrocumulus, cirrus & cirrostratus in white silvery dots &c. –	SSW, 1. S 2. SSE 2.	57	66	77
Monday, August 22.	·14 ·16 ·14	Bright morng. a few thin cirrocumuli, a very fine & extremely hot day, sun brilliant with linear cirrus & a few knotty cumuli. Sun set red in ash-coloured haze very sultry eveng – 8 pm 68°.	E 1. E 2. E 1.	54	72	83
Tuesday, August 23. ☞ ☌ sup. ☿ ☉ □ ♀ ♃ ✱ ♀ ♂	·08 ·10 ·07 ·06 ·08	A bed of cirrocumuli early, red sun-rise. Cleared at 7. very bright and continued excess of heat, – even oppressive and overpowering beyond the Climate of England! as noted each hour in column annexed. – The twigs & leaves of garden shrubs (lilacs most so) are quite seared by the extraordinary heat, and the grass burnt up in most places. – A rocky cumulostratus on N. horizon at 4½ pm & after. – Pure golden ☉ set, clear night. No rain of importance for several weeks past!	Thermomr: 10 am – 83 11 – 86 12 – 88 1 pm – 89½ 2 – 89½ 3 – 87 4 – 84 5 – 81 6 – 77 7 – 73½ 8 – 70 10 – 67 E 0. SE 1. SE 1. SSE 2. S 2. SSW 2.	62	79	89½
Wednesday, August 24.	·06 ·05 ·00 29·96 ·98	Chiefly a clear morng, at 7 & 8 – some dark cumulostrati from SW, as if from a past storm at a distance, continued bright and very hot but less so than yesterday. Several sheets of white ribbed and curdy cirrocumuli & wooly cirrostrati after 1 pm – & great signs of a storm. Beautiful varieties of mixed electrical clouds all the afternoon – all from SW – against lower breeze. – Rocky and dense clouds in the ESE at 5 pm, black with continual thunder there all the eveng & an arc of vapour came over from it at 6½ pm – in parallel waves lightning & thunder all the night, from many points – most Eastward. – Moon bright at times	SW 1. Var 0. – Var 0. – E 1. 2. NE 2.	55	72	84
Thursday, August 25.	·94 ·97 ·92 ·95	Cloudy more or less, and rain at times with distant lightning & thunder during the morng; cleared at noon – hot & sultry with cirrocumuli & scuds with sun. A bank of cloud in SE from 4½ pm till 8 with continual thunder & lightning then went on Eastward followed by a general burst out of Aurora Borealis till 10 pm when stratus came on.	NE 2. NE 3. NE 1.	59	63	75½
Friday, August 26.	30·04 ·05 ·10	Fog till after 9, afterwards a bright and very hot day, with some rocky cumuli and cumulostrati, one of which skirted the W & NW all the eveng, the rest clear till 10 – afterwards fog again	NE 0. E 1. E	61	66	82½
Saturday. August 27.	·12 ·14 ·15	Cloudy morng till after 8, bright day with loose cumuli, and very hot. – Haze & cirri after 5, & a parhelion South of sun 5½ pm. – Sheets of cirrus all the eveng. – Thunder SE – 7 pm in dusky arc of cloud.	NW 1. NW 1. N by E 1.	57	69	80

AUGUST 1842.

Day.	Barometer.		Point and Force of Wind.	Thermometer Lowest State early	9 a.m.	Highest State.
Sunday, August 28.	30·17 ·18 ·18	Cloudy and close morning, a few drops at 11 am – clearer at noon, – afternoon sultry – with dark cumuli & sun between. Clear eveng & yellow sun set. – A pale red rocky head of cloud in SE horizon, 6¼ pm; and from 9 to 10 – pm – most awful flaming flashes of lightning in S. horizon in a towering rock of cloud: – same time several Meteors fell – one large red one passed to Eastward & divided into sparks. –	N 0. E 1. E 1.	58	66	74
Monday, August 29.	·18 ·15 ·17	Foggy below and continual thunder from before 4 am – till near noon – fog left at 8 – became black in SE & S, with a shower at 9, and vivid lightning with violent thunder very near us: fine and sultry afternoon loose cumuli & sun. Low and broad cirrostrati came on at 7 pm from E. –	E 0 E 2. E 1. –	56	67	73
Tuesday, August 30.	·18 ·20 ·17 ·15 ·16	Cloudy morning & calm, sultry air. – Cleared after 10 – a fine day, large cumuli clouds, and very hot; at 4 pm – dark & extensive clouds came on – cloudy eveng, and rain at 8 pm, which continued till near 10 – afterwards fine but cloudy. ——	Var 0. W 2. W 2. NW 3	59	67	77
Wednesday, August 31.	·23 ·28 ·32	Clear morng much cooler. A fine sunny day with brisk breeze, and small cumuli, reduced temperature, but pleasant. Much mottled cirrostratus during evening – calm and signs of warmth or wet.	NW 3 NW 3. 2 & 1. W 0.	50	60	69

Conclusive notes, August 1842. –

Baromr.	Highest on 13th	30·58	Thermomr.	Highest on 10th	90°
	Lowest on 10th	29·78		Lowest – 31st morng	50°
	Range	0·80		Range	40
	Mean of month	30·1883		Mean of month	68·4838!
				Mean of afternoons	79·64!
				Mean of nights	57·26!

Principal winds E. SE, & SW, rain only ·62 of an Inch, Evaporation 5·65 inches –, number of fine days 27! ——

This month has been the most notable on record for its extraordinary heat, and brilliant sun. – A most splendid and glorious time for corn harvest, and the hottest month upon record! It may be long remembered by the title of **The Hot harvest of 1842**,

Heaven's mercy was multiplied in supporting the oppressed labourers through it, so that only a few were compelled to give up, and one died near Mildenhall, under the toils amid the fields. —

The oldest never knew so hot a season – and our Journals cannot shew an equal, – it was more like Italy indeed, and upon

Continued remarks for August 1842, — on the hot harvest. —

most days the heat was far surpassing the Climate of England — six or seven days were equal to that of the West Indies! The shrubs in our gardens, lilacs most so — were completely scorched so as to be quite seared and shrivelled, and the flowers and grass — dried up! — water courses and ponds the same. The mean heat of the month 6 degrees above what it commonly is, and equal to the south of France! The corn crops early & well secured — Wheat and barley of beautiful quality. Oats injured by the state of the land in early Spring. —

Day. —	Barometer.	September 1842.	Point and Force of Wind. —	Thermometer: Lowest state early.	9 am	Highest State.
Thursday, Sept[r]. 1st.	30·13 ·07 ·08	Sun gleamed red after rising, became overcast and rain at times through the day. Calm and warmer during even[g]. The rain only a mizzle since 3 pm. The warmest time this day was at 8 pm! — less overcast after 7 pm. —	S 2. chiefly S 1. SSW 0.	51	56	62
Friday, Sept[r]. 2nd.	·23 ·28 ·34	Very sultry, close & cloudy morn[g]; became clear during forenoon — bright and very hot and sultry, with some loose cumuli. Lovely even[g]. pure golden sun-set — clear & calm, red rays in columns very apparent after ☉ set up to zenith. Hot night — Therm[r] 68° — 8 pm.	W by N 1. W 1. W 1 Var. 0. —	61	67	79
Saturday, Sept[r]. 3rd.	·36 ·34 ·32	Clear sun rise, fog came on from NW — at 7 am — foggy till 9, afterwards cloudy and sultry — cleared at 3½ pm, bright evening. Some thick collapsed cirrus about setting sun. — Night chiefly clear. —	WNW 1. W 2. W 1. —	59	65	70
Sunday, Sept[r]. 4. New moon 10 pm. —	·34 ·38 ·40	Bright sun with large cumuli clouds at times, and a very hot day. — Clear sun-set. Calm night stars bright — dark patches of cloud in singular divisions about NW. —	NW 1. N 2. N 1. —	57	65	74
Monday, Sept[r]. 5.	·37 ·31 ·25 ·27	Clear morn[g], great dew, sheets of reticular cirrus, cumuli & cirrocumuli, but chiefly sun, and a pleasant and hot day. — Dark blue cirrostrati came on at 5 pm from westward across lower current. —	E 1. — S E 1. SSE 2.	46½	66	73
Tuesday, Sept[r]. 6.	·13 ·10 ·12	Grey clouds in mottled divisions during the morn[g], a fine and hot day, chiefly sun with cirrocumuli & cumuli clouds. — Some rocky ranges of cloud about N. & E. — at 5½ pm. Bright even[g]. — 8 pm — large flashing meteors ran to NNE — leaving trains. Clear & calm night, stars brilliant, and twilight very strong. — Continued lovely weather. The meteors ran to NNE this even[g]. —	SW 1. W 1. — W 0. —	54	65	73½

Day. —	Barometer.	September 1842.	Point and Force of Wind. —	Thermometer: Lowest State early.	9 am.	Highest State.
Wednesday Sept[r]. 7. Awful Thunder-storm.	30·10 29·97 ·80	Clear morn[g], much dew, bright, calm, and lovely forenoon, rather more wind and clouds — after 2 pm, but fine and hot. — Cirri — cumuli & some cirrocumuli — a halo at 1 pm. — An arc of hazy cloud gradually rose in S & SW, at 4 pm — & after — the wind working against it. — Dense rocky portions of dark clouds came on in SW soon after with black dotted beds of them at 7. From 8 pm — a very awful tempest of incessant lightning of all kinds, thunder — some rain and hail, & a breeze opposite. — The lightning even played in many forms — besides in various coloured sheets and curve lines — was continual, at all points, through the night. Most severe here from 10 to 11¼ pm, with violent snapping thunder, & the rain & hail fell then. Thermom[r] 60° all night. —	E 0. S E 1. S E 1. E 2. E 3.	46	64	74
Thursday, Sept[r]. 8.	·57 ·54 ·51 ·64	Lightning till 5 am, windy and cloudy, more or less — but very warm, Fine with cumuli and sun till 1 pm — and a gale. — After 2 pm — dark and rainy, through the rest of the day, at times heavy, and wind strong. — Therm[r] Max. soon after 12 noon — & at 3 pm down to 57°. Finer & less wind after 8 pm. —	S 4. S W 5. S W 6. W 6.	60	64	69
Friday, Sept[r]. 9.	·69 ·63 ·61	Sun gleamed red at rising, became overcast and light rain — at times during forenoon, noon fine, afternoon the same, and sultry warmth, chiefly cloudy, little gleam of sun; dark clouds of various kinds all the evening.	S 1. — S W 3. S W 3.	52½	58	70
Saturday. Sept[r]. 10.	·52 ·60 ·70	Cloudy morning, flying showers — a very squally sky, a mixture of all clouds, sudden hasty storms & sun between. At 3 pm — very black with much thunder in the North, a very heavy beating shower soon after from NW. Evening unsettled. —	S W 2. W 3. NW 2.	55	60	68
Sunday, Sept[r]. 11.	·75 ·79 ·84	Cloudy, and unsettled sky, during the morning, more sun at times near noon, the clouds rocky and dense, heavy shower 2 pm, afterwards clouds & sun. — Evening more settled.	NW 3. WNW 2. WNW 2.	53	56	68
Monday, Sept[r]. 12.	·90 ·99 30·06	Cloudy with sun, cirrostrati, nimbi, cumuli, and mixed clouds, trifling showers. Evening more serene, chiefly clear, and yellow twilight — some meteors 10½ pm. —	WNW 2. NW 2. NW 1.	52	58	67½
Tuesday, Sept[r]. 13.	·20 ·25 ·31	Bright and cheerful morning, sunny forenoon — more clouds — after 11, cumuli and cirrostrati with sun. — After 4 pm extensive low cirrostrati from NNE, warm even[g] & clear at times. —	N W 1. N W 2. N 2.	52½	60	67½
Wednesday, Sept[r]. 14.	·33 ·35 ·37	Clear and very hot morn[g], some cirri, & scud followed, a fine & hot day, some cumuli and scuds at times. Sun set bright and yellow. A long cirrostratus across west above the sun. Lovely weather continues.	N E 1. N E 1. N E 1.	56	65	74

Day.	Barometer.	September 1842.	Point and force of Wind.	Thermometer, Lowest State early.	9 a.m.	Highest State.
Thursday, Septr. 15.	30·35 -·30 -·32	Foggy early, a fine and hot day, cumuli clouds & sun, very pleasant weather: Lovely night, bright moon, calm softness & fleecy clouds.–	E 1. E 1. E 0.	55	64	73
Friday, Septr. 16.–	-·28 -·25 -·19	Fleecy grey clouds and sun, very fine and warm, the clouds chiefly loose cumuli and white cirrostrati. Lovely moon-light eveng.	ESE 1. SE 1. SE 1	56	65	70
Saturday, Septr. 17.–	·02 29·92 ·95	Fog below red cirri above, became a very bright morng, a beautiful day & very hot, sun bright, spongy cirri, cirrocumuli & cumuli clouds. At 4 pm a handsome arc of cloud about the West, of dark colour below – its upper edge of silvery cirrocumuli in finest specks & silky cirri of red and green near the sun.– Eveng sultry with dark knotted cirrostrati. The ribbed cirrus in East at 4. Thermr at 8 – 64°.– Rain at times after 10 pm.– Close night.	SE 2. SE 2. SSE 1. S 1.	54½	66	75
Sunday, Septr. 18.–	-·90 -·93 -·91 -·83 -·74	Overcast & rain more or less till noon, finer from 1 till 2, but clouded, and after 3 rain again which continued during eveng & night and at times very heavy.— Most at 10½ pm wd NW.–	W 1. WNW 1 N 1.	54	56	59
Monday, Septr. 19.–	-·75 -·80 -·75 ·74	Cleared off at ☉ rise clouds at 7, but became clear at 8–. **Full moon** 6½ pm. A fine day & very warm, cumuli & sun, and drying air. Large cumulostrati in W– after 1 pm.– and towering in S. after 4, but fine, sunny & pleasant here.–	NW 1. SW 1. S 2 SSE 2	54	59	68½
Tuesday, Septr. 20.–	-·72 ·67 -·66 -·68	Bright morng but threatening in Southern horizon, cumuli, cumulostrati, mixed groups of cloud– and nimbi with little showers sun at times.— Rich scenery in the clouds silky lines of cirrostrati across nimbi heads, Eveng clear moon-light, Rocky ranges of cloud very beautiful on SE horizon.—	SSE 1. SSE 1. SSW 1.	48½	59	63
Wednesday Septr. 21.–	·64 ·64 -·64	Chiefly sunny & pleasant – after a dewy & cool morng, cumuli, and cirrostrati.— Pleasant eveng till 8½ pm – grey clouds & moon – a fog during night.	SSW 1. S 1. SW 1.	44½	58	67
Thursday, Septr. 22.	-·60 -·58 ·65	Fog till after 10– raw & cool morning, sun at times after 11, with rocky cumulostrati, and heavy groups of mixed clouds.– After 4 pm broad cirrostrati with rain at times during evening, and at 9½ pm.– Afterwards finer.–	NW 1 NW 2. W 1.–	45½	51	62

Exit of the charming Summer of 1842.

Day.	Barometer.	September 1842.	Point and force of Wind.	Thermometer, Lowest State early.	9 a.m.	Highest State.
Friday. Septr. 23.–	29·61 -·60 ·60	— Autumnal Equinox.— Thunder at 2 am, bright morning, dewy & chilly compared to late season of heat, chiefly sun during forenoon, some haze & halo. Large cumuli, haze, & dim sun after noon.– Moon bright with lines of cirrus in longitudinal order.–	SW 1. SW 2. SSE 1	46	54	62
Saturday. Septr. 24.–	-·56 -·61 ·67	Bright at times, large loose cumuli clouds passing, chiefly clouded from & after 11 am, but fine with a drying breeze. Little sun 3½ pm. Eveng cloudy.	SE 2. E 2. E 3.	48	55	58½
Sunday. Septr. 25.–	-·74 -·80 -·88	Rain early for two or three hours– cleared at 8½ am – a fine, sunny, warm, & drying day. Cumuli clouds floating, – & rocky cumulostrati.– At 6 pm a range of black clouds in SE & S. horizon, and with rocky heads of white and copper-tinge.– These continued all night with vivid lightning and much thunder from 6 pm, and most severe at 7 & 8. in E. SE. & S.–	E 2. E 3. E 2.	51½	59	65
Monday, Septr. 26.–	30·01 -·08 -·14	Similar clouds as last eveng remained in S– & SW. till 8 this morng, & bands of cirrostrati across their crowns.– Rocky cumulostrati & sun, but a bright and cheerful morng.– Sunny forenoon, but more clouded & windy after 1 pm, sun at 4. Red cirri in sheets at sun-set, but ever since 4 pm clearer again, than before.	E 2. E 4. E 3.	51	59	64
Tuesday, Septr. 27.–	-·08 -·04 -·11	Cloudy & windy, rain at 8 which increased and continued all day more or less heavy.– Gloomy, wet, and unpropitious for outdoor enjoyment. After 7 pm, finer & partly clear.	ENE 4. NE 4. NE 3.	51½	54	56
Wednesday, Septr. 28.–	-·18 ·22 ·23	Some flying nimbi, but chiefly clear in the morng, a stormy atmosphere, sun at times. Light showers flying.– cumuli & nimbi clouds. Galy night and heavy rain at times.—	NE 3. NNE 5. NE 4.	49½	52	60
Thursday, Septr. 29.–	-·24 -·26 ·31	Very heavy rain early for several hours, a blowing day with sun at times, cumuli, nimbi, & flying showers. Eveng finer, partly clear, and windy, – but the gale abated.—	NE 4. ENE 6. ENE 4.	47½	52	58½
Friday, Septr. 30.–	-·34 ·32 -·32	Clear, drying and windy, a blowing day, but bright & cheerful. cumuli flying. more clouds as eveng came on, – rain at times during night, & wind less.—	ENE 4. E 4. E 1.	46	53	58

Conclusive summary for September 1842.

Barom.r	Highest on 4th 30·40 Lowest on 8th 29·51 Range 0·89 Mean of month 29·9918	Thermom.r	Highest on 2nd 79° Lowest 21st morng 44½ Range 34½ Mean of month 59·45

Prevalent winds E. & NW. Rain 4·57 Inches, Evaporation 2·76.
Number of days fine during day - 18.

The month of Sept. 1842 was chiefly fine and hot till the 18th day, afterwards rainy and at times very cool for the season, with much Easterly & Northerly wind. — English cholera prevailed also colds & catarrhs - the former from the previous heat & using too much fruit, - the latter complaints, from the heat & drought hastily giving way to dampness & chilly winds. —

October 1842.

Day.	Barometer		Point & force of Wind.	Thermometer Lowest state early	8 a.m.	Highest state.
Saturday, Octr. 1st. □ ☉ ♄.	30·32 -·36 -·42	Fine morng, in part clear, more cloudy during the forenoon: the afternoon bright and pleasant mostly sun with various clouds. Cirri in handsome forms overhead at noon. White cirrostrati above cumuli at 2pm. - At 4½pm a cumulostratus with a wide projecting top, in South. - Sun set nearly clear, eveng cloudy. —	NE 1. NW 1. NW 1.	44	49	62
Sunday, Octr. 2nd.	-·42 -·37 -·32	Cloudy morning, cleared by degrees, a very fine warm & lovely day, bright noon & afternoon with cumuli & cirrostrati, & nearly calm. Night calm, partly cloudy and mild but clearer & more keen after midnight. —	NW 0. NW 1. NW 0.	47	50	64½
Monday, Octr. 3rd.	-·22 -·21 -·19	Rather hazy below - but a calm & serene morng, pleasant with a little sun till noon, afterwards clouded little wet at times, Evening fine, in part cloudy, but at 10 pm - stars chiefly bright. —	NW 0. NE 1. NE 2.	43½	48	61
Tuesday, Octr. 4.	-·22 -·23 -·27	Bright morng, some grey cirrostrati on horizon; A fine & sunny forenoon, & till near 2pm - afterwards more clouded at times, a few drops from cirrostrati & slight nimbi clouds. — **New moon 6 am.** Clear & chilly night.	N 1. N 2. N 0.	44	48	59½
Wednesday, Octr. 5. -	-·30 -·33 -·37	Clear & hoar frost upon slated roofs till after 7 am. A very fine day, small cumuli and bright sun. Very warm in sun, and pleasant for rural walks. - The gossamer upon the fields on Sunday & to day. — The land is again quite dry in spite of the late rain at the end of Septr.	NW 0. NW 0. NW 0.	37	42	61

October 1842.

Day.	Barometer		Point & force of Wind.	Thermometer lowest State early	8 a.m.	Highest state.
Thursday, Octr. 6.	30·38 -·40 -·40	Foggy morng, cleared after 7. A very fine, warm, & lovely day, chiefly sun with cumuli & cirri clouds. Close & cloudy evening - Th 55°, 6½pm. Delightful weather. —	NW 0. WNW 1. NW 1.	44	48	62
Friday, Octr. 7. - □ ☉ ♃	-·37 -·36 -·40	Chiefly sun & thin cumuli & cirri, but more cloudy after 1 pm, a very fine, warm and beautiful day. Eveng partly clouded with mizzle - afterwards clear & soft night. —	WNW 1. NW 1. NW 1.	44	49	64
Saturday. Octr. 8.	-·48 -·53 -·57	Thin clouds passing off at 10 to a sunny warmth. — A fine & beautiful day, sun at times with some mixed dark clouds at intervals. Night chiefly cloudy and damp as well as warm. —	NW 0. NNE 1. NE 1.	50	53	63
Sunday. Octr. 9. -	-·62 -·60 -·61	Much low cirrostrative vapour during the morng & a few drops therefrom, but cleared at 9 - cumuli & sun for an hour; afterwards clouded with cirrostratus & dark cumulus - but very pleasant, calm & warm. Eveng & night tranquil, mild, & cloudy. —	NE 0. NE 0. NE 0.	50	53	59½
Monday. Octr. 10. -	-·60 -·56 -·53	Blue & grey lofty veil of cloud - calm & mild morning. - Cloudy all day, but the clouds thin & sun gleamed, tranquil warm & pleasant. Eveng cloudy, calm, and uniformly mild. —	NE 0. NW 0. N½W 0.	49	52	61
Tuesday, Octr. 11. -	-·49 -·46 -·44	Clear dewy morng, a very fine, bright, & warm day, no cloud at noon time, & but few all day, thin cumuli & white collapsed cirri pm. — Cloudy and mild evening. — Delightful weather. —	NW 0. NW 1. NW 1.	43	46	63½
Wednesday, Octr. 12. -	-·40 -·37 -·39	Morng clouded, clearer after 8 - sun at times; a fine drying day, loose cumuli and sun. — Evening more clouded - and very mild and pleasant. — Fine autumnal weather. —	NW 1. NNW 2. NNW 1.	49	52	61
Thursday, Octr. 13. -	-·39 -·39 -·39	Lofty grey cloudiness, continuing the same all day - gentle wind - or chiefly calm - dry & pleasant, but no sun. Evening and night uniformly the same - 8 pm 50° & it fell only 1° after.	N 0. NE 1. NE 0.	49	52	58
Friday. Octr. 14. △ ☿ ♃	-·33 -·31 -·36	Grey and dusky veil of mottled cloud in a high stratum, gentle breezes & slight gleams of sun - dry & pleasant. Roads dusty & fields dry for many days past. 8 pm Th 52°. calm & cloudy.	W 0. W 1 W 0.	49	51	58
Saturday, Octr. 15. -	-·39 -·40 -·41	Cloudy morng, cleared after 9, bright and lovely forenoon, hot for the season, some cirri. Lark rising, yellow butterfly seen, and upon the fields I observed the heated air undulating as in summer! — Some clouds after 12 - and the afternoon very close, calm & soft. - Max Therm at noon. — 8 pm Th 53°. - Night uniformly calm, cloudy & warm. —	W 0. W 0. and WSW ½ W 0.	50	51	64

October 1842.

Day.	Barometer	October 1842.	Point and Force of Wind.	Thermometer Lowest state early	8 am.	Highest State.
Sunday, Octr. 16.	30·39 ·37 ·35	Calm, warm, & cloudy morng, and the day all alike. Dry, tranquil, soft and pleasant autumnal weather. Evening and night uniformly the same. — The trees shedding their foliage.	NW0. NW0 NW0.	49½	51	56
Monday, Octr. 17.	·21 ·05 29·93	Very cloudy, calm, and mild, but little gleam of sun; ash, elm, & poplar leaves fall much. — Cloudy night, little more wind and clouds inosculating as they got lower.	SE0. SW0. SW0.	50	52	57½
Tuesday, Octr. 18.	·62 ·50 ·40	A little rain 5 am, became clear at 8, a bright and pleasant day, brisk wind, & cumuli clouds with cirri above in many forms. — After 2pm a bed of cirri and haze and some dark blue vapour from WSW in a thick sheet of cloud. 6pm rain which continued.	SW2. SW3. & 2. W2.	48	50	60
Wednesday, Octr. 19.	·28 ·41 ·60	Galy morng, rain & snow at 8 & 9 AM. Finer after 10 but cloudy. Full moon 11am. Clearer after 12 little sun, cirri, cumuli and large scuds, with a blowing wind. Clear eveng & night, moon bright.	NW4. NW4. NW3.	38	38	46
Thursday, Octr. 20.	·74 ·76 ·83	Clear and hoar frost, bright all day, a few cumuli. Keen air, but warm sun. At 5pm the spreading heads of two distant nimbi in W & NW. Clear & cold moonlight night. White mottled clouds went over at 9.	NW2. WNW3. & 2. W by N.	33	34	49
Friday, Octr. 21.	·96 30·02 ·08	Clear, and very white frost, a bright and drying day, cumuli clouds & cold breeze. Clear and frosty evening and night. A remarkably great and sudden fall of temperature.	W by N2. NW3. NW1.	31	33	49½
Saturday, Octr. 22. *Death of Friend Thomas Pallant Esquire, meteorologist, Redgrave.*	29·82 ·38 ·21	Clear in the early hours, sharp frost, and the west skirted by purple & rosy haze. A thick veil drew on all the forenoon, and a gale with much rain after 12, & till 4, afterwards fine & clear eveng.	SW3. SW6. SW4.	31	36	46
Sunday, Octr. 23.	28·95 ·91 29·00	Chiefly clear early but cirrostrati & haze followed at 8. Low clouds, occasional rain and gleams of sun through the day, but chiefly cloudy. Barometer extremely low. Cloudy evening little wet at times.	SW2. SW2. SW2.	36½	39	47
Monday, Octr. 24.	·24 ·30 ·55	Cloudy, little wet at intervals; stormy afternoon, overcast, gloomy, windy, and wet. At 6pm became clear, and a clear night with little hoar frost. Ash trees mostly bare.	SW2 NW4. NW5.	40	41	46
Tuesday, Octr. 25.	·75 ·62 ·50	Morng frosty, in part clear, became hazy with rain at noon and afterwards. Heavy rain during eveng, and most at 10pm. Thermr then 48° the max for the day, wind more to West again after this hour with a storm of hail. Afterwards clearer and the temperature fell.	SW1. S by E1. S5	35	36	48

October 1842.

Day.	Barometer	October 1842.	Point and Force of Wind.	Thermometer Lowest state early	8 am	Highest State.
Wednesday, Octr. 26.	29·67 ·69 ·70	Morng clear, and freezing at 8 & 9 am! An arc of fine lines of cirrostratus across SE. — A fine sunny, drying day, strong gales, and cumuli clouds. — Clear and windy evening. Very drying.	SW2. SW6. SW4.	33	33	46
Thursday, Octr. 27.	·74 ·76 ·79	Clear drying and cheerful morng, a fine sunny & windy day till after 3, cumuli and cirrocumuli with warmer atmosphere. — A nimbus with a shower after 3, and at ¼ past 4 a black & dense nimbus in SW. & at 5 another in North, distant about 12 miles with much violent thunder. Windy & cloudy night.	SW5. W6. & 5. WSW5.	37	40	51
Friday, Octr. 28.	·72 ·71 ·73	Fine drying & pleasant, chiefly bright sun all day with cumuli clouds, & brisk wind, warmer & very cheering. — Clean walking again. — Blue cumuli at 5pm — but a clear serene night.	W3. W3. W2	40	41	52
Saturday, Octr. 29.	·85 ·96 30·03	Hoar frost, clear morng, a very fine, drying, sunny and pleasant day, cumuli clouds passing. — A clear and frosty night. Stars very brilliant. —	NW1. NW2. NW1.	35	39	53½
Sunday, Octr. 30.	·15 ·22 ·24	Clear & hoar frost, some cirri clouds, a fine sunny day, keen breeze, cirri and cumuli. After 3 chiefly overcast with lofty grey clouds. — The same all night.	NW1. NW2. W2.	32½	35	51
Monday, Octr. 31.	·30 ·33 ·33	Grey cloudiness, and much warmer, continued cloudy all day, little sun gleam, dry & gentle breeze. Pleasant atmosphere and very clean walking. — The trees only half way stripped of their foliage. —	W1. W2. W1.	44	48	55

Results for October 1842.

Baromr.			Thermomr.		
Highest on 9th	30·62		Highest on 2nd	64°·5	
Lowest on 23rd	28·91		7th & 15th	64	
Range	1·51		Lowest on 21st	31	
Mean of month	30·0733		Range	33·5	
			Mean of month	49·05	

Prevailing wind NW being on 15 days. Fine days 25 in number. Rain 1·94, and Evaporation 1·85 Inches.

This month was very dry, calm, and pleasant to the 18th day, and with an unusually high barometer, but from the 19th to 26th it was very stormy, & cold with as unusual a low state of Barometer for a short time, then again dry and pleasant to the end. —

Thunder on 27th Oct. 1842. —

☞ On 22nd, our old and esteemed friend and brother Meteorologist of Redgrave Suffk, Thos Pallant Esqr departed this life — aged 69½ years.

November 1842.

Day.	Barometer.	November 1842.	Point & force of Wind.	Thermometer lowest state early	Thermometer 8 am.	Thermometer Highest state
Tuesday, Novr. 1st.	30·30 ·27 ·29	Mild & cloudy morng. became clear at 9 - a very bright warm & lovely day, a few cirri clouds only. The sun's rays unusually warm for the season, very little wind and roads dusty! - Gossamer seen and gnats playful in sun. - The Thermomr in sun after 2 pm. was 91°! Clear orange sun-set. - Fog came on - at 8 pm. -	W 1. NW 1. NW 0.	43	47	58
Wednesday. Novr. 2nd.	·26 ·24 ·23	Fog till after 7, a fine drying and pleasant day. grey clouds & sun, New moon 4 pm. Cloudy evening, but cleared up after 9 - stars very brilliant. very fine autumnal weather.	NE 0. ENE 1. NE 1.	45	47	56
Thursday. Novr. 3rd.	·14 ·10 ·11	Grey clouds in the morng, fine and at times bright, during forenoon; coppery nimbi intersected by cirrostrati after 1 pm, little showers & hail, sun between. at times calm, but before the showers, sudden breezes. - Stormy night with sleet.	NE 0. E 1 NE 2.	39	43	51
Friday, Novr. 4.	·16 ·28 ·30	Showers of sleet & rain, sun between, a stormy day, & gales with the showers, mixed clouds of coppery & rocky appearance. - Night stormy at times. —	NE 1. NE 4=1. NE 3.	36	37	46½
Saturday, Novr. 5.	·28 ·22 ·25	Clouds & sun, but very stormy at times, cirrostrati and nimbi - with flying showers. - Gales & storms with sleet during eveng & night. -	NE 3. NE 3. NE 4.	35	40	47½
Sunday. Novr. 6.	·31 ·27 ·28	Many low clouds - cirrostrati, nimbi & little showers about during forenoon, clearer & still afternoon. Eveng chiefly fine, little wind, and clouds at times. rather milder & less stormy night.	NE 1. NE 0 N 1.	35	38	43
Monday, Novr. 7.	·25 ·26 ·27	Clear morng & forenoon chiefly so - milder & pleasant, afternoon cloudy with little showers. - Uniformly unsettled with a dripping sky. —	NNW 1. NE 3. NE 2.	39	41	48
Tuesday, Novr. 8.	·23 ·20 ·15	Morng in part cloudy, little wet at 8 am afterwards finer & mostly sun, cirrostratus in white and dusky streaks. - A drier breeze during eveng and change of wind. Chiefly cloudy. —	N 0. N 1. W 2.	38	40	49
Wednesday, Novr. 9.	29·93 ·80 ·76	Chiefly cloudy with cirrostratus in the morning - bright & windy forenoon with some mixed clouds - cloudy & windy afternoon. Eveng bright, overcast with light rain, and warmer atmosphere. —	SW 4. S 5. SSE 5.	39	42	47
Thursday, Novr. 10.	·79 ·82 ·71	Warm morng, overcast & mizzle, fine in general after 9 - but mostly cloudy and very mild. - Windy night & a little wet at times. ——	S 2. SW 2. S by E 4.	42	49	52

November 1842.

Day.	Barometer.	November 1842.	Point & force of Wind.	Thermometer lowest state early	Thermometer 8 am.	Thermometer Highest state
Friday, Novr. 11.	29·41 ·26 28·98	Overcast, windy, & light rain at times; the same chiefly all day, but somewhat finer & clearer at intervals. - After 4 pm - heavy rain for an hour. Hard gale 10 pm - while veering to WSW.	SSE 4. SE 5. SW 7.	40	44	53
Saturday, Novr. 12.	29·24 ·35 ·59	Morng fine till near 8, a dark veil rising in SW - it came on at 8 with very heavy rain, continued till 9, afterwards clear warm sunny, drying day, cumuli with brisk wind. Clear eveng & night, moon & stars bright - several meteors. -	SW 3. SW 3. SW 2.	47	48	55
Sunday, Novr. 13.	·64 ·32 ·29	Cloudy with rain early, continued cloudy but finer between 6 & 10 am, afterwards overcast with dark cloudiness - sudden gales at SSE to SSW - with heavy driving rain at times. Became finer after 5 - moon-shine - flying clouds, & hard gales during evening. —	SW 1. S 5. SSE 4. SSW 4. SW 6.	45	49	53
Monday, Novr. 14.	·76 ·92 ·97	A still morng, chiefly clear, some hazy cirrostrati. - A very fine, sunny & warm day, cumuli & cirrostrati clouds, more hazy with raw atmosphere during evening - and much rain during night. —	WSW 1. NW 1 N to E 1.	40	42	52½
Tuesday, Novr. 15.	·83 ·80 ·83	Overcast and cool rawness from E. - The same all day - some dark and low clouds, and a little rain at times; Evening more overcast with mingled snow & rain after 10 pm, - yet not freezing below. —	E 3. E 3. E 3.	41	42	46
Wednesday, Novr. 16.	·92 ·95 30·05	Cirrostrati & dark low clouds - but a fine morning, chiefly fine in the day, some sun, a dry breeze & cirrostratus. - At 10 pm sleet & hail with a gale at ENE. and a cold stormy night. —	E 2. E by N 3. & 4. E 4.	41	41	47
Thursday, Novr. 17.	·29 ·47 ·55	Cold wind, dark blue clouds & sun, fewer clouds as day got up - chiefly sun, and grey cirrostratus, - cold breeze and drying. - Eveng calm & beautiful, a grey sheet of mottled cloud gliding over moon. -	NE 3. NE 3. NE 0.	37	39	45½
Friday, Novr. 18. Full moon 3 am.	·63 ·61 ·55	Calm & frosty. thin grey clouds & sun, - a very fine day, lofty grey sky, some sun, & nearly calm. - At 6 to 8 pm - converging arcs of silvery cirrostratus - lying longitudinally from SSE to NNW. - moon bright. -	Var. 0. W 0. SW 1. SSE 1.	32	32	44
Saturday, Novr. 19.	·25 ·15 29·83	A red east, became overcast with wind & rain, sudden fall of Mercury in Barom. from a high state, continued rain more or less and very heavy during evening and night. Warmest after sun set & even after 9 pm. —	SSE 3. S 4. SW 4. SW 4.	34	40	50
Sunday, Novr. 20.	·86 ·90 ·90	Cloudy with cirrostrati, cumuli, and some sun, a calm and hazy evening moon nearly veiled from view. -	NW 1. NW 0. NW 0.	43	46	48
Note.	↗	The unusual fluctuation of Barom. this week is very remarkable. -				

November 1842.

Day.	Barometer.	November 1842.	Point & Force of Wind.	Thermometer Lowest State Early.	8 a.m.	Highest State.
Monday, Novr. 21.	29·89 ·95 ·96	Cloudy early but became clear after ☉ rise. A long white mottled cirrostratus across the S at 8. — A fine sunny day some cirri in many forms. Hazy evening & night, moon dim.	NW 0. N ½. N 0.	35	35	49
Tuesday, Novr. 22.	·63 ·42 ·49	Overcast and rainy, raw, dark, and unpleasant. light rain chiefly all the day. True November weather. — Evening the same. —	SE 1. SE 1. SE 1.	33	37	40
Wednesday, Novr. 23	·60 ·54 ·44	Morng clear, red haze below — cirri & cirrostrato numerous in fine lines as day came on, a fine day chiefly sun but hazy in part. Tufted cirri, and cirrocumuli at 3pm. Eveng overcast and rainy. —	SW 1. SSW 1. SSW 2.	34	34	43
Thursday, Novr. 24.	·02 ·04 ·08	Dark and wet morning, became fine at 9, bright with sheets of plumose cirrus through the day. — Mild & stormy night — watery clouds & stars between. —	SSE 3. SW 2. SW 3.	40	44	50
Friday, Novr. 25.	·05 ·04 ·09	Much cirrus, and low dripping clouds 8 am, a bright forenoon, but cirri on all sides. After 1pm became cloudy with rain at times. Evening fine — less wind & chiefly clear. —	SW 2. SSE 3. SSE 3.	40½	43	49
Saturday, Novr. 26.	·18 ·25 ·42	Fine, still, & clear morng, chiefly the same till 3 pm — some cirri, afterwards more clouded with wind. Evening again mostly clear, some haziness in portions of the Arc. —	S 1. S 3 SSE 1.	38	38	47
Sunday, Novr. 27.	·51 ·50 ·43	Little wet early, cirrostrati & patches of dripping clouds with sun. Fine sunny forenoon, more cloudy with colder breeze afternoon. Cloudy and windy night. —	SE 1. SE 2. SE 4.	37	38	46
Monday, Novr. 28.	·15 ·10 ·15	Rain early, and unsettled all day, a stormy sky, rain at times, and very mild. Clear eveng, and violent gales at SW and W. True November characters.	SSE 4. SE 3. SW 7.	41	47	53
Tuesday, Novr. 29.	·62 ·70 ·72	Clear morng, and a fine and bright day, warm & cheerful, scarcely a cloud but a few linear cirri & light cumuli. Evening mostly cloudy, very mild and damp. — little wet in the night.	SW 1. S 1. S 1.	41	44	52
Wednesday, Novr. 30	·72 ·91 30·07	Cirrostrati clouds, and sun, rather damp and very mild morning, and a very fine day, chiefly sun with flimsy cirrocumulus & cirrostratus. — Clear and frosty evening.	SE 0. SW 1. SW 1.	42	45	49

Results.

Conclusive notes. November 1842. —

Baromr.	Highest on 18th — 30·63 Lowest on 11th — 28·98 Range — 1·65 Mean of month — 29·8233	Thermr.	Highest on 1st — 58° Lowest on 18th — 32 Range — 26 Mean of month — 44·04

Prevailing winds S and NE, — Rain 3·64 In. Evaporation 0·64 and the number of fine days 15, much of the rain being by night.

This was a very mild and rainy month with great & sudden fluctuations of Barometer. Much sickness in the Metropolis and many towns, but in the open country no great illness, beyond painful affections and swellings in the face and jaws which prevailed much. —

December 1842.

Day.	Barometer.	December 1842.	Point and Force of Wind.	Thermometer Lowest State.	8 a.m.	Highest state.
Thursday, Decr. 1st.	30·17 ·12 ·15	Cloudy with change again to mildness — all objects covered with moisture. — The day chiefly fine — sun and grey clouds, more overcast after 3pm — more wind. — cloudy and warm night.	S 2. S 4. S 3.	35	44	52
Friday, Decr. 2nd. New moon 4 am.	·19 ·21 ·24	Very warm & soft morng, cirrostratus scuds & sun, a fine, warm & pleasant day, chiefly sun, with flimsy cirrostratus & cirrocumulus in dotted trains. Cirrostrati of gold & purple at ☉ setting.	S 2. S 3. S 1.	48	51	55
Saturday, Decr. 3.	·26 ·37 ·49	Rosy twilight & pure ☉ rise, a fine, serene and mild day, sunny forenoon, cloudy afternoon. Eveng clear above foggy below. — Very mild and damp. —	S 0. SW 2. W 1. & 0.	41	42	52
Sunday, Decr. 4.	·52 ·48 ·47	Fog more or less all the day, little wind at times, and a mild atmosphere. — Some stars visible at 8 pm & after. —	S 1. S 2. S 2.	35	40	50
Monday, Decr. 5.	·41 ·37 ·39	Foggy morng, bright day, no clouds, cheerful weather, thick haze below after 3 pm. and sun set red in it. Foggy, calm & soft night. —	S 1. S 1. & 0. S 0.	40	41	49
Tuesday, Decr. 6.	·35 ·33 ·37	Cloudy, warm & soft, calm atmosphere during morng, colder as day passed but calm and cloudy, with some blue thickness. — Evening and night overcast & calm.	SW 0. S 0. Var. 0 NW 0.	43	43	44

Remarkably fine & mild weather.

Day.	Barometer.	December 1842.	Point & force of wind.	Thermometer lowest early	8 a.m.	Highest state
Wednesday, Decr 7.	30·40 ·40 ·46	Overcast, calm, and uniform gloom, The same all day, rather foggy below more foggy during evening, and the thermr highest at 4 pm. —	NW 0. SW 0. SW 0.	35½	39	45
Thursday. Decr 8.	·51 ·49 ·51	Thick fog, & keener atmosphere, became clearer after 2 pm grey fleecy clouds above, some cirri in grained forms. Clear & red sun set. afterwards fog below clear above & frosty night.	SW ½. Var 0. NW 0.	35	34	41
Friday, Decr 9.	·50 ·48 ·46	White frost, became cloudy with mixed clouds in 3 strata, inoculating with few drops 8½ a.m. — scarcely any wind, the smoke denoting variable points — chiefly N.E. The day cloudy more or less. at times overcast with a few drops. and blue haze. — Night the same.	NE 0. Var. 0. NE 0.	31	32	43
Saturday, Decr 10.	·34 ·29 ·32	Cloudy damp & raw, more overcast after noon, and colder. Max Thr 45 about noon but at 2½ pm 38°. — Foggy evening, and nearly as for days past.	SE 1. SE 1. SE 0.	40 38	43	45
Sunday, Decr 11.	·20 ·12 ·09	Cloudy with blue & grey tints and some blue haze more wind after 4 pm, and the clouds lower for approaching rain. Night milder. —	SE 2. SE 3. SE 3.	36	40	43
Monday, Decr 12.	29·96 ·99 30·05	Windy and wet morng, & more mild, became fine with less wind after 9 — very mild, but cloudy. — Thermr rose till 7 pm, then 56°! — Thin clouds & moon gleaming. —	SSE 5. S 3. SSW 2.	40	45	56
Tuesday, Decr 13.	·18 ·19 ·19	Very warm & soft morng, chiefly clear after 8. much linear cirrus, and a few scuds. — A bright, very warm & lovely day, cirri in many forms. Golden sunset, eveng clear except a band of silvery cirrostratus across NW. 50° high — with undulating luminous vapour within it and some in fine lines across perpendicularly. 10 pm — blue fog came over. —	S 3. S 2. S 2.	52	51	57
Wednesday, Decr 14.	·23 ·23 ·25	An enchanting scene about ESE. at 7 to 8 a.m. — Horizontal bands of cirrostratus straight across the orange sky, the bands were of crimson, gold, and lead colours — pointed at each end, and some little rocky indentations on the upper edge in some parts, 3 of these lines or bands appeared with a pure yellow & green sky between — and above them a mottled arc of cirrocumuli in silvery & rose dapples! — Chiefly bright and mild in the day, much cirrus, & a stratus at noon came over for about 30 mins —. Bright moon & stratus by turns eveng. —	S 1. S 2. S 0.	44	45	53
Thursday. Decr 15.	·24 ·25 ·26	A similar sun-rise but less conspicuous, day bright and very mild, — cirri abundant. — Moon-light eveng. and trains of silvery cirrocumulus & strips of cirrostratus about at 6. 7. 8. & 9 pm. —	S 1. S 2. S 1.	42	44	53

Day.	Barometer.	December 1842.	Point and force of wind.	Thermometer lowest early	8 a.m.	Highest state
Friday, Decr 16. ☞	30·16 ·14 ·09	Another beautiful ☉ rise. red streaks in horizontal order across ESE. More hazy & general redness all round —. A fine and mild day, some haziness & mottled cirrostratus in streaks from wind-ward. — The uncommon warmth has caused many little flowers to blossom and buds to swell. — Gathered the Avens & daisy on the banks of the road! — Cloudy & warm night. —	S 2. SSW 3. SW 3.	42½	45	53
Saturday, Decr 17.	29·99 30·19 ·27	Cloudy morng — little wet, became clear and a very fine and bright day, cirri & cumuli clouds, wind veering and rather colder. — I saw the Cranesbill in flower — this afternoon. — Full moon 5 pm. Clear night, moon very bright. —	SW 3. W 4. NW 3. & 0.	49	50	52
Sunday, Decr 18.	·32 ·35 ·42	Streaks of haze, but chiefly clear & a little frost. A fine, bright day, brisk drying wind. Moon bright eveng, more cloudy after 9 — but fine and not very cold. —	WSW 2. W 3. W 2.	35	36	48
Monday, Decr 19.	·52 ·54 ·56	Chiefly clear, streaks of cirrostrative vapour about E. — A fine sunny day cirri in tufts and streaks. — The clouds red all round at sunset. — Hazy and thick night.	NW 3. NW 2 SW 0.	38	39	46
Tuesday, Decr 20.	·44 ·45 ·42	Cloudy and little wet early, fine, but very cloudy in the day, and the evening and night cloudy, close, and unseasonably warm. —	WSW 1. W 2. W 2.	38	44	50
Wednesday, Decr 21.	·33 ·37 ·37	Very warm and cloudy morng, birds singing, bright after 9, with dappled cirrocumuli; buds opened, & flowers in blossom which should come in April! — yet Winter solstice or Shortest Day! — Some haze & cirrostrati after 3 pm. —	W 1. NW 1. WSW 0.	43	50	55
Thursday, Decr 22.	·23 ·16 ·04	Red cirri in irregular tufts — fine sunny morng and a very bright drying, and cheering day, cirri at times, & brisk wind evaporating much for the season. —	SW 2. W 4. W 4.	46	46	54½
Friday, Decr 23.	29·72 ·68 ·71	Overcast rain at times during the forenoon — became gradually colder and finer afternoon, but chiefly cloudy. 2 pm Thr 44°. —	SW 2. W 2. WNW 2.	45	48	48
Saturday, Decr 24.	·71 ·81 ·88	Very fine, bright and cheerful, cirri and cirrostrati in white lines, colder than of late. Clear, calm, and frosty evening and night.	W 3. NW 3. W 1.	34	36	42
☞		The uncommon fineness and warmth of this month thus far is remarkable!				

December 1842.

Day.	Barometer.	December 1842.	Point and force of wind.	Thermomr. Lowest State	8 a.m.	Highest State
Sunday Decr. 25.	29·94 –·82 –·74	Clear and a white frost, continued bright till near 11, some white cirrostrati – a blue haze as usual followed at 11, became overcast and windy, thermr rising till eveng, stormy night, and milder. –	SW2. SW3. SW5	31	32	47
Monday Decr. 26.	–·62 –·53 –·53	Chiefly cloudy – gales of wind, very mild, and a little wet at times; – stormy night and rain at times after 10 pm.	SW6. SW6. SW4.	47	50	52
Tuesday, Decr. 27.	–·36 –·60 –·72	Rain at times till 10 am, afterwards fine, but cloudy in part, less wind and more sun after 1, – and at sun-set, rose & crimson cirri & cirrostrati in SW. Clear eveng, & night. –	SW4 W2. W1.	43	43°	45
Wednesday Decr. 28.	30·02 –·16 –·26	Clear & white frost, day bright with little breeze, no clouds, clear and red sun-set, evening clear & frost; but during night a change. –	NW0 NW1. NW0.	32	32	40
Thursday Decr. 29.	–·16 –·15 –·18 –·22	Cloudy some rain early, yet but trifling fine day, cloud with cirrostrati, and scuds, and some mixed clouds. – Gusts of wind and change to mildness again. – Sheets of clouds of red and orange and streaked like grain of wood, above setting sun. – Cloudy & warm night. –	SW3. SW4. SW3.	32½	41	50½
Friday, Decr. 30.	–·22 –·22 –·22	Very mild morng, cirrocumuli, cirrostrati and sun. The same all day remarkably warm, – chiefly sun till 2, and blustering gales. The Aconite or new years gift in flower, and crocus up. – at sunset, beautiful fire-tints in cirrostrati near sun, and green sky between.	SW3. WSW5. W5 WSW6.	47	50	56
Saturday, Decr. 31. New moon 7 pm.	–·17 –·05 –·10 –·13	Very warm and galy through the past night, boisterous all day, but fine and remarkably warm, scuds flying and the cirrocumuli above with some cirrostrati. – At 5 pm dark and dense clouds passing wind very galy afterwards gradually less and sky became clear. 8 pm Th 46°. – The wind falling away in moaning sighs as it entered the crevices of our doors. – Emblem of the expiring breathings of the year! – A little rain 4¾ pm, – in large drops from a dark threatening cloud. –	WSW4. WSW5. W4. 3 & 2.	50	52	56

Conclusive notes for December 1842. –

Baromr { Highest on 19th = 30·56 Lowest on 27th = 29·36 Range — 1·20 Mean of month 30·1838 }	Thermomr { Highest on 13th – 57° Lowest on 9th & 25th } – 31 Range — 26 Mean of Month 44·8467 }

Prevailing winds from S to W. depth of rain 0·61. Evaporation 0·57 In, – fine days 26 in number. –

The remarkably fine and mild weather with high Barometer all this month must long be remembered, and recorded, among the wonders of our Climate by every observer. – All the Spring's earlier flowers shot up & opened blossom in garden or field-banks, birds' nests were found, the birds sang tunefully and on many days we needed no fire in our rooms! Considerable sickness prevailed in a few places, while others were exempt. –

Table of winds, rain, evaporation &c – monthly through The Splendid Year 1842. –

1842.	E	W	N	S	NE	SE	NW	SW	Prevalent winds.	Rain.	Evaporation	Fine days.	
Jany	1	2	2	3½	6	6	7½	3	NW-SE-NE	·37	·40	21	
Feby	3½	1	0	3½	0	5½	2½	12	SW- SE.	·96	·92	21	
March	0	7½	1	1	2	2½	5	12	SW – W.	3·02	2·15.	19	
April	12	½	3	0	12	1	1½	0	E – NE.	·32	3·90	25	
May	2½	7	1	3	2½	5	4	6	W-SW-SE.	1·51	4·89	25	
June	3	4½	0	½	5	5	4	8	SW-SE-NE	1·05	5·85	24	
July	3½	6	1	0	1	3½	8	8	NW- SW.	3·18	5·21	24	
August	8½	3	0	1	1½	7	2	8	E- SE- SW.	·62	5·65	27	!!
Sept	5½	4	1	3	4	3½	5	4	E – NW.	4·57	2·76	18	
Oct	0	4½	1	1	4	0	15	5½	NW.	1·94	1·85	25	
Nov.	2	0	1	8	7	3½	4	4½	S- NE.	3·64	·64	15	
Dec.	0	6½	0	8	1	2	4½	9	S to W.	·61	·57	26	!
1842 –	41½	46½	11	32½	46	44½	63	80	SW & NW.	21·79	34·79	270	

General Results for the Charming Year 1842.

The Highest Barometer in 1842 was on Novr 18th when it was 30·63, and on Octr 9th 30·62; and the lowest was on October 23rd when it fell to 28·91. — The range 1·72 In. and the mean of the Year as high as 30·071975!

The coldest time was at 7 pm January 24th Thermr 15½, and the hottest June 12th & 14th Thermr 87° and August 10th 15th 18th & 23rd Thermr from 88° to 90°! but the hottest days of the whole were the 10th & 23rd of August. —
The range for the Year was 74·5 and the mean of the year 51°·11874166,
The total rain only 21·79 In, while the Evaporation equalled 34·79 or 4 In more than usual, — and the number of fine days 270 or 44 more than in the preceding year. —

The most remarkable features of the Year 1842, were the coldness of January being so uniform, the dryness of the latter Spring, the Splendor of the Summer with the excess of its heat, and the mildness & vernal warmth of November & December. —
The year 1842 may well & properly be recorded under the title of the Charming Year, so constant were the beauty of its skies from March to Christmas with little intermission, and its warmth & pleasantness in general. It was the hottest summer perhaps ever recorded taken as a whole for continued excess of heat; the years 1818 and 1826 came nearer in their continued warmth than any other year, and 1808 & 1825 produced each 2 days exceeding the Max here for 1842 — but in this year we had repetitions of an excess equalling the Temperature of France & generally far beyond the Climate of England! —

Day	Barometer	January 1843.	Point and Force of wind	Thermometer: lowest early	8 a.m.	Highest State
Sunday, Janr 1st.	30·31 ·32 ·30 ·23	Clear and little hoar frost, change since last eveng. — A very clear day brisk and keen wind. — The roads much dried and clean walking. — Some clouds after a clear ☉set, the wind still brisk. — Frosty night. —	NW 1. NW 3. WNW 3.	33	33	38
Monday, Janr 2nd.	·08 ·08 ·14	Frost, and snow covering the ground. Showers of snow, & sun at times. fleecy cumuli and snowy nimbi clouds; Night chiefly clear and sharp frost. stars brilliant. —	NW 2. NW 1. NW 1.	31	32	37
Tuesday, Janr 3rd.	·29 ·30 ·30	Clear & sharp frost, a fine sunny day, some grey fleecy clouds, and ribbed cirrocumuli above. little frost till near midnight, afterwards a change.	N 0. NNW 0. NW 0. (or 1.)	26	27	33½
Wednesday Janr 4.	29·98 ·99 30·04	Cloudy with rain till 11, afterwds clearer & wind again veered: — became clear at 3½ pm — Evening clear but more windy again after 8 pm. — Signs of snow. —	SW 3. W 3. (2 & 1.) W 4.	29	38	41
Thursday, Janr 5. 6pm Thunder & lightning —	29·88 ·97 30·04	Frost early, overcast rain & heavy snow at 10 to 11 am, afterwards clearer at times. frost again 4 pm. Eveng clear, brisk freezing wind. — 6 pm — dark clouds. lightning & thunder!	WNW 3. NW 4. NW 3.	32	38	38
Friday, Janr 6.	·11 ·17 ·10	Hard frost & dry wind, an arc of mottled cirrostratus lying from S to N — gliding to E, at 8½ am. — Cloudiness all day, but fine, frosty, & but little wind. — After 6 pm — a change, little wet & some wind.	NW 3. NW ½. W 2. W by S 3.	32	32	36
Saturday, Janr 7.	·05 29·88 ·77	Much cirrostratus, cloudy & milder, a fine day, chiefly sun after 10, with cirri & cumuli & brisk wind. — Hazy night — halo about the moon.	WSW 3. SW 3. SW 3.	34	38	46
Sunday, Janr 8.	·43 ·40 ·41	Beating shower & sleet 6 am, with a gale at WSW, afterwards a fine day cumuli, sun, & cold breeze. — Clear & wind frost — eveng. — Lunar halo. Some thunder at 5 am. —	SW 3. W 4. NW 3.	38	38	40
Monday, Janr 9.	·69 ·71 ·41	Light snow-showers early, clear & hard frost during forenoon, more hazy after 12. mottled cirrostratus & the wind changing again. — Thermomr highest during night. — Wind & rain at times after 7 pm. —	NW 3. W 3. WSW 3. SW 4.	28	28	45
Tuesday, Janr 10.	28·91 ·93 29·12	Stormy morng, became again cold at 8 with snow & rain with a gale, clearer after 9 — high wind. Stormy with snow & wind — sun at times. Night chiefly clear & freezing. — Snow in little showers. —	SW 4. W 6. W 5. —	40	36 to 34	40

Day.	Barometer	January 1843.	Point and force of wind	Thermometer lowest state early	8 a.m.	Highest state
Wednesday Janʸ 11.	29·12 ·14 ·13 ·04	Snow in showers early, fine day, and chiefly sunny with white cirrostratus & streaks of haze. At sunset lines of dusky haze diverging from a point in west horizon. Frosty night more calm general cloud moving from WSW, moon dim.	W 3. W 3. W 1.	32	32	38
Thursday, Janʸ 12.	28·86 ·97 29·17	Grey cloudiness - gentle wind & frost, yet the Barom extremely low. - Overcast & little snow during forenoon. clearer afternoon but many hazy undefined clouds. - Eveng clear and frost, a breeze stirring signs of storm.	N ½. NW 2. W 3.	29	32	36
Friday. Janʸ 13. Awful Gale. - ** *	28·66 28·60 28·50 28·48 28·42 28·33 28·51	Violent storm of wind rain, snow, & sleet from 5 till 10 a.m. - the Barom lower than for 21 yrs past! At 11 a.m. - sun broke out, but soon the storm resumed. Blue blackness in the clouds, violent gusts with beating rain & sun between. Barom lowest 2½ pm. violent hurricane all the night, clouds flying. -	S E 7. SSE 7 S 7. SW 7.	30	38	44
Saturday, Janʸ 14. **	28·91 29·00 ·05 28·90 28·65	Very violent hurricane all the morng, abating slowly in the day, became quite clear. - but at noon more hazy - clouds came on, wind fell & returned to S & SE. Dark with undulated cirrostrati & dense low clouds after 3, the wind going back to E - & NE. with rain at 5 - & snow heavy at 6 - & after. - Night finer after 10 - wd N & NW. -	WSW 8. SW 6 S 3. & 2. S E 2. E 2. NE 3.	36	35	38
Sunday, Janʸ 15.	29·02 28·94 29·04	Sharp frost, very slippery walking. In part clear in the morng, at 10 - overcast & snow at times. Cleared at noon, a very bright afternoon, & orange ☉ set. - Some cirrostrati low on W. horizon. Therm 30° at 4½ pm little wind. More cloudy after 6 pm - windy & stormy appearances, but frost continues.	Var. 1. 2. SW 2. SW 1 W 1 NW 4.	27	27	34
Monday, Janʸ 16.	29·26 ·61 ·91	Cloudy windy & little thaw after ☉ rise. Full moon - 8½ AM. - Sleet in little showers & sun at times - through the day. clear eveng - and gentle frost. a light breeze prevailing. -	NW 4. NW 3. 2 - 1. NW 2.	26	35	40
Tuesday, Janʸ 17.	30·23 ·25 ·26	Thin clouds calm, & little frost, hazy & much cirrostratus in streaks rather undulated, fine - but dull & raw. - Overcast evening, and a little rain at times.	W 0. W 0. W 0.	31	32	38
Wednesday, Janʸ 18.	·37 ·45 ·55	Fine, calm & mild morng, little haziness, but in part clear, a very mild, and calm day with low cirrostrati & sun. - Overcast eveng and foggy night, moon visible through it. -	W 0. WSW 0. & 1 W 0.	35	37	49½
Thursday, Janʸ 19.	·57 ·58 ·57 ·56	Fog more or less all day, little sun-gleam at times, & very calm. - Evening and night overcast damp and mild. - The landscape presents great verdure on the meadows, and snow-drop is flowering, with aconite &c. -	S W 0. SW 0. SW 0.	33	35	43

Day.	Barometer	January 1843.	Point and force of wind	Thermometer lowest state early	8 a.m.	Highest state
Friday, Janʸ 20.	30·44 ·37 ·26	Overcast mild, & damp morning. - The same all day, but less mild in proportion. - Evening & night nearly as the day. -	SE 1. SE 1. SE 1.	39	39	41
Saturday, Janʸ 21.	·12 ·12 ·14	Morng in part clear but from 8½ to 11 - a thick stratus or fog. - the rest overcast, little wind - and chilly atmosphere. Night uniformly overcast. -	S 2. S 2. S 1.	33	35	37½
Sunday, Janʸ 22.	·14 ·11 ·17	Mild with cirrostrati clouds, chiefly cloudy through the day, & rather colder compared with the morng; Plucked Aconite snowdrop & primrose in full flower. - Evening & night overcast. -	S E 1. SSE 2. SSE 3.	34	39	42½
Monday, Janʸ 23.	·15 ·09 ·07	Thick stratus or fog, this passed off before noon, became overcast, with wind, cloudy and windy evening and night. Chiefly mild & damp weather for some days.	S 2. S 4. SSE 4.	37	39	45
Tuesday. Janʸ 24.	·00 29·99 ·98	Cloudy, little wet in the morng; very cloudy all day - but finer and mildness continues. - Overcast and misling eveng. - Night finer. -	SSE 3. S 2. S 2.	38	42	45½
Wednesday, Janʸ 25.	30·07 ·13 ·14	Clear morng, and a lovely day, mild and bright sun. cirrostrati & cirrocumuli in white lines & compartments Cloudy & mild night. -	S 1. WSW 3. SW 3.	39	41	51
Thursday. Janʸ 26.	·05 ·10 ·14	Mild - cloudy, & some rain early, fine after day opened. A very fine, warm, and pleasant day, some sun, cirrostrati & grey cumuli. - Linear haziness at ☉ set. - Soft and balmy evening - 8 pm 47°!	SW 3. WSW 2. NW 1	42	46	52
Friday. Janʸ 27.	·01 29·99 ·99	Very mild, wind, cirrostratus & scuds. a fine pleasant day, mottled cirrostrati, large scuds & sun, and very mild weather continues. Primroses multiply on the road sides! Very warm cloudy & windy night. 8 pm 50°; so continued.	W 3. W 3. W 4. bearing S.	43	48	54
Saturday, Janʸ 28.	·79 ·80 ·79 ·88	Very warm & windy, scuds, cirrostrati cirri in confused sheets, with sun. - Mostly sunny after !, and summer looking clouds, from cirrocumuli in dotted ranges, to cumuli. - and windy but very warm & drying. - Black clouds & wind during evening & night. -	WSW 6. WSW 6 WNW 5.	50	53	56½
Sunday, Janʸ 29.	30·02 29·93 ·89	Wind ceased early. Overcast & wet morng, wind rose again before noon. Fine warm and windy afternoon, cirrocumuli, cirrostrati, cumuli and sun. Extraordinary mildness. windy & warm night - 8 pm 53°!	SW 1. 2. 3. 4. W 6. W 4.	42½	46	56½
Monday, Janʸ 30.	·76 ·76 ·89	Fine, windy & warm with summer looking sky, gay with cirrocumuli. - A bright day, windy, warm, & drying. - Cumuli clouds flying, vegetation going on. Evening in part clear, wind abating. New moon at noon.	WSW 5 W 6. W 4.	50	51	56
Tuesday, Janʸ 31.	30·04 ·00 29·92	Streaks of haze but a fine morng, some sun. - Low clouds passing all the forenoon. little wet at 1 pm - soon clearer & milder again. Eveng warm & windy, in part clear. - The Zodiacal light seen. -	SW 1. SW 3. SW 4.	39	43	52

Results for the month of January 1843. —

Barometer.		Thermometer.	
Highest on the 19th	30·58	Highest on 28th & 29th	56·5
Lowest on 13th	28·33!	Lowest on 3rd & 16th	26
Range	2·25!	Range	30·5
Mean of the Month	29·8224	Mean of the month	39·1612!

Prevailing currents Westerly. Rain 1·17 Inches, Evaporation 1·79 Inches! and fine days 22 in number. —

This month was remarkably mild in general, but unusually variable in wind & density. The extreme depression of the Baromr on 13th is a memorable minute of registration. Great destruction of life & property by the gales then. The latter part of the month was delightfully warm & pleasant, vegetation proceeding as in an early Spring! — Considerable prevalence of fever in some districts, but not general. —

February 1843.

Day.	Barometer		Point & force of wind.	Thermometer lowest early.	8 a.m.	Highest state.
Wednesday, Feby 1st.	30·00 ·02 29·98 ·95	Fine sunny & mild. some streaks of thin haze, a drying & pleasant day. the ribbed cirrocumuli in ranges from SW; a coppery sun-set & other sign of storm. Now very clean walking. Windy night. —	SW 1. SW 3. SW 4.	45	46	52½
* 5 h — Thursday, Feby 2nd.	·72 ·74 ·83	Blustering & rainy morng, & a stormy day, rain at times considerable, and squally, dark, & turbulent. Thermr highest at 8 am. 50°. at noon 45°. & 3 pm 43°. — Night in part clear with wind. —	SW 4. W 5. WSW 5.	46	50	50
Friday, Feby 3.	·54 ·21 ·12	Morng clear & cold wind — more cloudy with hard gale, after 10 am, — beating rain sleet & snow at times, in squalls from 1 till 3½ pm. Heavy hail & snow at 2½ pm. — Eveng frost & clear till near 10. afterwards heavy snow from WSW. — Severe frost during night & more fine again.	SW 7. W 6. WSW 4.	36½	38	43
Saturday, Feby 4.	·35 ·19 ·60 ·75	Severe frost, partly clear & snow several inches deep — & drifted high in some places, snow heavy after 7½ am. Wind veered to NNE with frequent drift of snow, sun at times. Stormy & cold night, with frequent snow.	NW 4. NNE 4. N 3.	23	26	36½
Sunday, Feby 5.	·85 ·87 ·90	Stormy, loose cumuli, some sun, cirrostrati. small nimbi & little snow at times. Evening & night nearly the same, & but little frost. —	N 3. NW 2. NW 2.	31	32	36
Monday, Feby 6.	·93 ·89 ·86 ·92	Little frost. frequent heavy snow in the day. sun at times, trees & hedges glistening with drops. — Evening in part clear and frost. — Seasonable & salutary to check the early vegetation. —	NW 1. NW 1. N 1.	30	30	36

February 1843.

Day.	Barometer.		Point and force of wind.	Thermometer lowest state.	8 AM.	Highest state.
Tuesday, Feby 7.	30·12 ·07 ·01	Grey clouds, but calm, fine & frost. Became overcast & heavy fall of snow from 12 till 3, afterwards rain which continued all the evening & a gentle thaw. —	NNE 1. N 1. NE 2.	28	31	37½
Wednesday Feby 8.	·18 ·18 ·18	Cloudy with grey cloudiness, but inclined to clear off: dry breeze Eastward. More clouded after 3 pm. — Overcast eveng & windy. —	NE 0. ENE 2. NE 4.	33½	34	40
Thursday Feby 9.	·09 ·07 ·03	Cloudy morng, little mizzle, clearer after 12 — loose cumuli, scuds, & sun. mixed cloud all the afternoon — & undulated filaments of white cirrostratus. — Stormy eveng — sleet at 9 & 10. —	NE 2. N 2. NE 1.	37	38	41
Friday, Feby 10.	·02 29·96 ·97	Clear ☉ rise — but at 8¾ am — nimbus with shower of snow — afterwards bright with fleecy cumuli, — & some small nimbi & distant snow showers. Cold wind. Snow & sleet during eveng. —	NE 3. NE 3. NE 3.	34	35	40
Saturday, Feby 11.	·95 30·05 ·12	Overcast & rainy morng, day finer but cold, overcast & damp; after 3 pm the clouds higher & wind calm. — Night cloudy & fine, wind again rising.	ENE 2. ENE 3. 2. 1. 0. — 3.	34	37	38
Sunday, Feby 12.	·20 ·18 ·19	Grey cloudiness in the morng, the day chiefly fine, large loose cumuli, cirrostrati & sun, little sleet near 12. Eveng bright moon & fleecy cumuli. —	NE 2. NE 3 & 2. —	34½	36	42
Monday, Feby 13.	·14 ·07 ·00	Clear & hoar frost, a very bright & calm day, a few small fleecy cumuli. Warm in sun under walls, but cold in shade. very clear & frosty night. Moon bright.	E 0. SE 0. E 0.	29	31	41
Tuesday, Feby 14.	29·81 ·76 ·72	Grey clouds & sun, became more clouded, and at noon overcast; snow & sleet all the afternoon. Full moon 8 pm. — Clear after 10, and very severe frost. — Thermr 25°. 11 pm. —	W 1. NW 2. NW 1.	28	30	36
Wednesday, Feby 15.	·52 ·41 ·38	Severe frost, haze & cirrostrati, some scuds & a little snow at times. Heavy snow at 5 & 6 pm — fine night after 9 — partly clear, & severe. Th 25°. 10 pm.	NW 0. NW 2. 1. & 0.	18	23	35½
Thursday Feby 16. □☉♂ —	·29 ·28 ·34	Severe frost. grey mottled sky AM. — Very hazy in the day, with cirrostratus, but fine. — Much haziness & rose-coloured suffusion at 5 pm. Cloudy evening.	NW 0. NW 1. NW 1.	20	23	36½
Friday, Feby 17.	·55 ·62 ·65	Became clear early AM. Severe frost & bright sunny morng. — A bright day, white cirrostratus & rocky cumulostratus about E & NE horizon. — Evening cloudy and boisterous. —	NW 0. NW 1. NE 4.	22	22	37
Saturday, Feby 18.	·60 ·62 ·60 ·62	Strong gale & drifting snow from 6 am. till 11 am. at times. afterwards fine with mixed clouds, cirrostratus & haze in varied forms. & dark cumuli. — Streaks of haze diverging from the place of setting sun. — Cold piercing wind. Eveng partly cloudy, & wind boisterous.	ENE 6. ENE 5. ENE 5.	28	30	35

Day	Barometer	February 1843.	Point and Force of wind	Thermometer lowest state early	8 am	Highest state
Sunday, Febr. 19.	29.60 .55 .52	Cloudy, frost & piercing wind, became overcast and little rain all the afternoon, and evening. — Night overcast and little wet, the snow wasting away. —	ENE 5. ENE 4 E 4.	31	32	35
Monday, Febr. 20.	.43 .46 .49	Overcast, trifling wet, and the whole day overcast more or less, damp, & gloomy, but finer. Night overcast damp & dark. —	E 3. E 3. & 2. —	34	37	40
Tuesday, Febr. 21.	.56 .59 .58	Thick stratus in the morng. cleared off at 10 — a fine, bright, warm & pleasant day. — Night overcast, some wind & rain after midnight.	S E 2. S E 1. S E 1.	38	40	52
Wednesday, Febr. 22.	.43 .49 .55	Heavy rain early & till after 6 a.m. — Fog at 8 & 9. afterwards cleared up, sun, cirri, cirrostrati & scuds, eveng clear in part: distant sounds heard clearly. Rain at 10.	E 3. SSE 2. S 1.	38	41	49
Thursday, Febr. 23.	.62 .63 .66 .70	Foggy morng, a fine day, sun mostly seen, a mixed bed of clouds, cirrocumuli & lofty cumuli from S, and scuds from E, — all clouds from cirrus to cirrostratus at sun-set. Some undulated, others mottled. — Night overcast.	S E 1. E 1 & 0. E 1.	37½	41	50
Friday, Febr. 24.	.80 .78 .82	Overcast morng, cloudy and cold day, wind very chilling. — Evening and night clouded with little sleet at times. — wind less.	ENE 4. NE 4. NE 3.	36½	39	41
Saturday, Febr. 25.	.77 .74 .77	Cloudy little snow at times. The whole day very cold & cloudy, dark cumuli, nimbi & low raggy clouds, sleet at times. Eveng & night the same. —	NE 1. E 3. ENE 2.	33½	36	39½
Sunday, Febr. 26.	.72 .66 .53	Cloudy morng, few snow flakes. A mixed state of low and dark clouds all day — little sun-gleams, cirrostrati & heavy cumuli prevailing, but a fine day. —	NE 3. NE 2. E 2.	33½	36	39
Monday, Febr. 27.	.17 .06 .03	Overcast, windy morng, and a cloudy cold and windy day, little wet at times. — Evening and night windy overcast & little wet. —	E 4. ENE 4 NE 5.	34	36	42
Tuesday, Febr. 28.	.10 .30 .48	Overcast and rain during the morning, the day cloudy rain at times, cold and unpleasant. — Evening clearer a white sky with cirrostratus & scuds. ———	NE 4. NNE 3 NNE 2.	37	38	41

This month was cold and gloomy, yet for the season a mild time on the whole, and not much rain. — An epidemic prevailed with children — such as was marked by pain & looseness in the bowels, and some retching, with headache & rigors, — but it seldom lasted above 3 days.

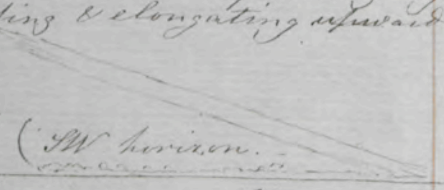
Results for the month of February 1843.

Barometer.	Thermometer.
Highest on 12th — 30.20	Highest on the 1st — 52½
Lowest on 27th — 29.03	Lowest on — 15th — 18°.
Range — 1.17	Range — 34½
Mean of month 29.713	Mean of Month — 36.6446

The prevalent currents were from NE — E — & NW. — Number of fine days 14. Depth of rain 1.84 Inches — & Evaporation 0.96. —

Day.	Barometer	March 1843.	Point and Force of wind.	Thermometer lowest early.	8 a.m.	Highest State.
Wednesday, March 1st. New moon 6 AM.	29.78 .85 .94	Cloudy in part, hail & snow scattering from small thin scuds, during morng & showers of snow at 10½ AM. — Fine sunny noon & afternoon, rocky cumuli & blue sky. — Fine night, clear in part.	NNE 1. N 1. N 1.	33	35	41
Thursday, March 2.	30.02 .05 .11	Grey clouds, & sun, little snow at times, & frost AM. — A cold & stormy day, frequent hail & snow, sun at times, cumuli & nimbi, with cirrostrati clouds. — Clear eveng — snow during night. —	NW 1. NNW 2. NW 1.	31	33	42
Friday, March 3.	.18 .15 .24	Sharp frost — clear above, fog below, a stormy & cold day, frequent storms of hail & snow — sun at times, rocky cumuli & nimbi clouds. Night in part cloudy. —	NW 1. NW 2. N 1.	26½	29	42
Saturday, March 4.	.38 .43 .46	Fog at 7 & 8 am. little snow at 9. afterwards low clouds — cumuli & sun, Clear & orange sun-set; clear & calm eveng, The 31° — 8 pm. —	NW 2. NW 2. NW 0.	31	33	43
Sunday, March 5.	.48 .45 .43	Clear & frost AM. — Bright day with cumuli clouds, wind veered after 1 pm across W to S-ward. — After 4 pm chiefly clouded & more wind. ——	NW 0. WNW 1. WSW 3.	28	31	44½
Monday, March 6.	.39 .34 .36	Grey cloudiness — & some undulated cirrostrati. — Cloudy with mixed clouds & sun gleaming till 4 pm — when the west cleared & the whole drew off to N. — while the SE & SW became clear blue. — Night clear. —	SSE 1. SE 1. S 1. SE 0.	33	36	46
Tuesday, March 7.	.32 .31 .32	Clear morng, sharp white frost, a fine sunny day with fleecy cumuli, but a cold breeze. — Clear orange sun-set, and clear evening. ——	ESE 0. E 2. ENE 1.	27	30	45
Wednesday, March 8.	.39 .43 .46	Grey cloudiness & frost gone before ☉ rise. a fine day. dry cold wind — grey cumuli & sun. — Orange sun-set. Cloudy night.	ENE 2. NE 3. NE 3.	31	37	43
Thursday, March 9.	.48 .44 .44	Cloudy and so continued all day, but calm & dry. — Evening and night uniformly the same, wind veering to SW. — Roads & paths dry. —	NE 1 SE 0 SW 0	32½	35	41

March 1843.

Day.	Barometer.		Point and force of Wind.	Thermometer: lowest State early	8 a.m.	Highest State.
Friday, March 10.	30·32 ·25 ·17 ·19	Grey cloudiness which continued more or less – gleams of sun at 1½ pm, but cold and gloomy on the whole – yet dry. – Fleecy cumuli & moon gleaming to night.	S by W. 1. SSW. 1. SE. 1.	35	38	44
Saturday, March 11.	·26 ·28 ·24 ·22	The upper current SW ever since yesterday AM – This morng cloudy & milder; the whole day cloudy with grey & loose cumuli & cirrostrati. – Sun gleaming. Dry & pleasant – fields & roads clean. Evening cloudy & nearly calm. –	SW. 1. SW. 1. SW. 1.	37	40	46
Sunday, March 12.	·03 29·95 ·80	Cloudy some fog early, became clearer – mild & drying Cumuli, scuds, & little sun; a little wet at 4 pm, fine eveng, mixed bed cloud – and cirrostrati tinged red at ☉ set. – cirrocumuli in curdy lumps of lead tint.	SW. 2. SW. 3. WSW. 3.	39	42	51
Monday, March 13.	·80 ·78 ·72	Clear morng – followed by cirri, ribbed cloud and dense cumuli. – A fine drying day with sun & wind. Heavy cumuli, cirrostrati & mixed clouds: some haziness after 2 pm. – Windy night & clouds flying. –	WSW. 4. W. 4. W. 4.	39	42	51
Tuesday. March 14.	·52 ·65 ·73	Rain early this morning, fine as the day opened with cirrostratus & scuds, and a little sun, mild and growing. More clouded & little rain after 2 pm. Rainy evening. –	WSW. 3. W. 1. W. 1.	43	48	53
Wednesday March 15.	·84 ·97 30·08	Rain early, cleared at 8, – a fine, sunny and pleasant day, cumuli clouds & some cirrostrati. – Arcs of cirrostrati lying from NW to SE this eveng. Mild night. –	NW. 1. NW. 1. NW. 1.	43	44	52
Thursday March 16.	30·13 ·18 ·12	Mild & cloudy morng, blended haziness. – At 6 AM, Full moon. – A fine, mild & pleasant day, thin cloudiness – chiefly cirrostrati & scud – with sun gleaming. Primrose & other flowers have been seen all winter, but increase now & buds open. blue violet open. – Foggy evening with wind. –	NNW. 0. NE. 0. E. 1. SE. 2.	43	44	55
Friday, March 17. Great Comet appeared.	·03 29·98 ·99	Blue fog – cleared after 9, a very bright and lovely day, warm breeze, and fleecy cumuli, the sun-beams were even hot in the middle of the day, & the general atmosphere very warm. Brilliant sunset, orange & rose tint. red & brown butterfly seen to day. – After 7 pm A great Comet – appeared as a brilliant beam of pale yellowish white – in SW – forming an angle of about 37° with horizon – it was an evanescent flashing light alternately contracting & elongating upward to South, lying thus. 8 pm Therm 50°. stars bright, no cloud. light breeze SSW. – 	S. 1. SSW. 2. SW. 1.	41	44	62
Saturday, March 18.	·99 ·99 30·01 ·04	Pure golden ☉ rise – mist on valleys –, a very bright and lovely day, and even hot and summerlike – no cloud but a few cirri in curls & lines. – At 4½ pm wd to NE – Orange ☉ set – The Comet seemed similar to last eveng – appearing again – at 7½ pm. – Therm 48° at 8 pm. light breeze NE, chiefly clear. –	SW. 0. Var. 0 & 1. Var. 0. NE. 1. gossamer strewed upon the roads. –	36½	47	66
Sunday, March 19.	·08 ·04 ·02	Thick fog early & continued all day, with very little change in density, a brisk wind ENE – and sudden fall of temperature. – At 9½ pm – became clear.	NE. 2. ENE. 3. ENE. 3. 4.	39	44	46

March 1843.

Day.	Barometer.		Point and Force of Wind.	Thermometer: lowest State early	8 a.m.	Highest State.
Monday, March 20.	29·87 ·80 ·71	Morng chiefly clear, pale sun-rise with cirri & thin scud – wind brisk. – A bright and drying day, some cirri, and trains of knotty cirrocumuli of silver-white, these were in a higher current from SE. & the lower breeze drew to E by S. – During night a little wet, and lightning in SE. – Warm night. The Comet's light reappeared at 8 pm.	E. 3. E. 4. SE. 3.	41	49	56
Tuesday, March 21.	·66 ·68 ·63 ·65	**Vernal Equinox, equal Day & Night.** – Sunny morng, clouds passing off – warm & growing. Cirri clouds & some cirrocumuli. – A sunny day till after 3 – & very warm – with brisk drying wind and a summer sky – decked with every electrical kind of cloud – especially the white cirrocumuli in knotty flocks – & cirrostrati – plane & serrated – cumuli heads settled upon cirrostrati – & some cumuli below – all bright & silvery. – A dark Arc of cloud rising SSW after 3 – with a few drops. – All the little flowers & the leaves of many shrubs opening fast. Stone pavements moist for some days past – from the warm air condensing upon the cold surface. – Dark knotty clouds during eveng the Comet seen again as of late. –	SSE. 1. SE. 2. SE. 3.	47	50	61
Wednesday, March 22.	·57 ·62 ·63	Red East, hazy with cirrostrati & a few drops in the morng, a fine and warm day, cirrocumuli, cirrostrati & sun with a halo at noon. Distant thunder SSE at 3 pm. – Fine starry eveng & the Comet's beam repeated. –	SE. 1. SE. 2. SE. 2.	47	50	60
Thursday, March 23.	·61 ·70 ·79	Cirrostratus in beautiful undulations or festoons of lead-colour & white cleared off at 8 – to a lovely sunshine with silver bands of collapsed cirri: – after 12 – cumuli only, & bright sun, warm, drying and windy. Yellow sun-set haze & cirri below, the Comet's beam re-appeared. – At 8 & 9 pm – black cirrostrati converging to a point – in South – altitude 65°. –	SSE. 2. S. 3. S. 4. SSE. 2.	48½	52	62
Friday, March 24. ☌ ♀ ♃	·75 ·84 ·92	A little wet early, with wind – but a fine morng much haze & cirrostratus, some in regular bars of dark colour lying obliquely in S – at 8½ a.m. – Cleared at 11 a.m, a bright warm & lovely day with mottled white cirrostratus. – A red, purple and orange mixture of same cloud at ☉ set, – about west. Overcast night. –	E. 1. ESE. 3. SE. 2.	47½	50	62
Saturday, March 25.	·99 ·92 ·96	Clear, very bright sun, cold boisterous wind, the whole very bright and parching, some cirri clouds. Wind increased to a strong gale after 2 pm. – Clear night.	ENE. 4. ENE. 5. & 6. same.	41	45	51
Sunday, March 26.	·98 ·92 ·92	Very clear & galy morng, very bright day no cloud but a few small scuds pm – and strong – cold wind. – Evening more clouded with raggy cumuli. 9 pm – overcast. –	ENE. 5. ENE. 5. same – 5. –	37½	45	50
Monday, March 27.	·91 ·91 ·88	Cloudy, with strong wind and very cold, continued cloudy till 2 – afterwards sun at times, & large loose cumuli. Wind abated this evening. Cloudy at 10 pm. –	ENE. 5. ENE. 5. ENE. 2.	36	38	43
Tuesday, March 28.	·90 ·92 ·99	Clear, bright sun, brisk wind, – a very sunny & drying day – with a few small cumuli. – A green sky with rosy streaks of cirrostratus – at ☉ set. – The Comet fainter but still seen. – Clear – frosty night. –	ENE. 2. E. 3. E. 1.	32	39	50

Day	Barometer	March 1843.	Point and Force of Wind	Thermometer Lowest State early	8 a.m.	Highest State
Wednesday, March 29. □ ☿ ♂.	30·09 ·17 ·17	Very clear morng & hoar frost. A very bright day, and warm in sun, gentle breeze, & no cloud but linear Cirrus. A long cirrostratus above setting sun.— Clear night, & the Comet visible.—	ENE 1. E 2. ESE 1.	29	40	55½
Thursday, March 30. New moon 11 pm.	·02 29·89 ·82	Clear & hoar frost early, a fine day, but became hazy with mixed clouds – from cirrocumulus to cirrostratus. Wind in gusts whirling up the dust.— Evening cloudy and a little rain – also during night.	SE 2. SSE 4. S 3.	30	45	57
Friday, March 31.	·64 ·56 ·51	Mixed clouds of electrical character.— Warm, soft & growing. Sun gleaming – but after 11 am – more hazy with dark rocky clouds upon plane cirrostrati, & some undulated – rain after 3 – increased at 4 & 5 – warm and rainy evening. Birds singing	SSW 2. S 2–3. S 1. SSW 1.	48	53	60

The Results for March 1843.

Barom.r { Highest on 5th & 8th = 30·48; Lowest on 31st = 29·51; Range 0·97; Mean for the month 30·01.

Thermom.r { Highest on 18th = 66°; Lowest on 3rd = 26½; Range 39½; Mean for the month 44°·1129.

Winds much divided, chiefly Eastward, – rain ·61 of an Inch, Evaporation 2·23 Inches.— Fine days 26 – in number!—

— Report for March.—

This was a very dry month and often bright and pleasant, so that "March dust" was abundant, especially near the end of the month. From the 17th to 24th inclusive – we had some remarkably warm days – and the Great Comet appeared here first on the 17th evening.— Vegetation is forward on the whole – and such has been the principal feature of months past that we scarcely seem to know that we have had a winter at all!— No great sickness near us, and mortality less than usual quite opposed to the corresponding time of last year in these parts.— The White-thorn opened leaf on 23rd, and the Horse chesnut on 31st; Sycamore just about to open.— Sallow – willow, & hazel fast expanding their buds.— The low state of Pressure when compared with the dryness of the month – is most striking & singular.—

Day	Barometer	April 1843.	Point and Force of Wind	Thermom.r lowest State early	8 a.m.	Highest State
Saturday, April 1st.	29·68 ·65 ·66	Hazy with cirrostrati & a Solar halo 7½ am, mild morng, cloudy & a little wet during forenoon, a growing day; afternoon at times bright, with white cirrostrati, flying nimbi passed Southward.— Warm and windy evening clouds at times.	S 2. SSW 3. SW 4.	48	51	59
Sunday, April 2nd.	·65 ·60 ·67 ·77	Overcast and steady rain early & till 9 am, afterwards clearer & finer – and wind veered.— Fine afternoon – warm, & bright at times mixed clouds with towering nimbi passing and boisterous wind. Brilliant Aurora Borealis 8 pm – NNW & NW. — Eveng clear.	SSE 3. SW 3. SW 5.	48½	51	62
Monday, April 3rd.	·87 ·93 ·86	Scuds, cumuli & sun, with squalls of wind, during the morning, less wind & more sun after 12. – a fine bright and warm afternoon, cumuli clouds – and a long white woolly cirrostratus at 3½ pm lying from SSE to NNW near the Sun.— Eveng clouded with cirrostrati, some in shoals like silver fish very warm & calm – 7 pm Th 55°.—	WSW 5. W 3. 2 & 1. SW 0.	49	53	62
Tuesday, April 4.	·57 ·49 ·58	Much undulated cirrostrati & little wet. Steady rain from 10 till 1–, afterwards fine with some sun – for about an hour; Black nimbi again at 4 pm – showers, and loud thunder in NW, wd veering now. Violent gales & hard rain all the evening.—	SE 1. SE 2. SW 1. WSW 7.	46½	51	58
Wednesday, April 5. Cowslip in flower some days.	·78 ·87 30·04	Scuds, loose cumuli & sun, during morng, a bright and pleasant day for the greater part, beautiful sky – rocky cumuli – small flying nimbi with hail and thunder at 1½ & 2 pm.— Very bright with rocky cumuli after this hour. Aurora Borealis very bright 8 pm.—	SW 4. WSW 4. W 2. W by N 2.	44	48	58
Thursday, April 6.	·03 29·85 ·79	Morning in part clear, a ribbed arc of cloud – lying overhead from SSE to NNW,— became cloudy with a little wet, and squalls of wind, – after 2 – wd less & veered again.— Cloudy & windy evening warmer than the day.—	SSE 2. S 4. SW 3.	40	47	55
Friday, April 7.	·67 ·61 ·60	Cloudy – rain from 8½ am till near 11 am, then clearer & more fair.— A fine, warm and drying afternoon, bright sun, and loose cumuli. a bed of grained & speckled cirrus 3 pm – above rocky cumuli. groups of rocky clouds in SE – at 4½ pm – & black raggy line of same – during eveng.— barred cirrostrati to NW – 5 pm.	SW 2. SW 3. 4. SW 4.	52	54	62
Saturday, April 8. △ ♂ ☉	·58 ·65 ·67	Scuds, cumuli, & sun – after an early shower, a very boisterous day, cumuli, & sun. At 4 pm, nimbi beating showers, and squalls.— Stormy evening, & raggy clouds.—	W 4. W 6. W 5.	48	51	56
Sunday, April 9.	·79 ·77 ·85	Cloudy during forenoon – clearer after 1 pm – cumuli and sun, cold wind.– some woolly cirri tinged red & green near sun. White undulating cirri elsewhere. A cold night – in part clear.—	NE 2. NE 3. NE 2.	41	44	49½
Monday, April 10.	30·01 ·01 ·02	Shower of snow early A M.— Chiefly fine in the day, rocky cumuli & sun. Some nimbi passing with hail & snow.— 5 pm – thick hail & snow – & again with a squall at 9 pm.—	NW 1. NW 1. NW 2.	32	41	52

APRIL 1843.

Day.	Barometer		Point and Force of wind	Thermometer: Lowest State early	8 a.m.	Highest State.
Tuesday, April 11.	30·04 ·05 ·10	Freezing breeze at NNW — sleet & snow on the ground early — but a fine sunny morng; bright all day, small cumuli, and a cold breeze. — Some nimbi in N — at 4 & 5 pm. — curdy grey clouds eveng & milder.	NW 2. NW 2 NW 1.	30	37	48
Wednesday, April 12.	·04 ·00 29·90	Grey clouds during the morng, a fine day, chiefly sunny but cold with many cumuli, and some small nimbi. — Still eveng — streaks of haze diverging. —	NW 1. NW 2. NW 1.	34	39	47
Thursday, April 13.	·87 ·93 30·07	Clouds with hail & snow early. A stormy day — sun at times, rocky cumulostrate — and nimbi with very heavy falls of hail, some as large as hazel nuts at 1½ pm — afterwards finer with rocky cumuli and sun. — Sun set as an undefined bur in a bank of cloud. Coppery scuds passing.	N 2. N 2. NNE 2. N 1.	34	39	47½
Friday, April 14.	29·92 ·90 ·93 30·02	Good Friday. Cloudy, windy, with rain & little sleet or soft snow during morng. chiefly rainy till noon — afterwards finer & warmer but cloudy, — wind fell to nearly calm — and the evening clearer. — Full moon 2½ pm — Mild night — fleecy clouds & moon —	WSW 6. SW 5. W 3 2. & 1. —	32½	39	51
Saturday, April 15.	·21 ·23 ·20 ·21	Warm with dusky cumuli clearing off. A fine & pleasant day, very warm at noon with cumuli and sun — afterwards general cirrostratus & no sun. Calm — clouded & warm night. 8 pm Ther 52°. —	WNW 1. W 1. SW 1.	44	51	61
Sunday, April 16. Easter Day.	·12 ·03 29·97	Grey clouds slowly drawing off from a clear SE. — distant bells audible. A fine, bright and warm day, some cirrus & small cumuli. Two parhelia at 4½ pm. — A rosy streaked & dappled west evening — and hazy cirri sheets about.	S E 0. E S E 1. E 2. ENE 2.	48	52	62
Monday, April 17.	30·02 ·08 ·19	Cirri & cirrostrati wearing off to a sunny sky, a bright, warm, & drying day, some cirrocumuli. — Clear lovely evening, the twilight strong & a bright orange tint. — Brown haze on N. horizon.	N E 1. N E 2. N E 1.	45	51	62
Tuesday, April 18.	·24 ·25 ·22	Fog early — cleared before 9 — a very bright warm & lovely day. no cloud from 10 till 1, afterwards a few cumuli. — Calm at times, and the point of wind varying about SE & SW, chiefly SE. — Fog came on at 8½ pm. —	N E 0. S E ½. Var 0. S E 1.	37	47	66
Wednesday, April 19.	·15 ·03 ·00	Fog early, cleared before 7, then haze & knotty cumuli in small portions at 8 & 9 — sun encircled by halo; — a bright & warm day — thin haze — cirri & halo continued most of the day. Lovely Spring weather. Hazy ☉ set & dark streaks diverging in the form of a fan from W. horizon upwards 8 pm.	S E 1. E 1. E 1.	38½	50	66
Thursday, April 20.	29·85 ·85 ·93	A salmon tint ☉ rise — plane & serrated cirrostrati, & cirrocumuli, hazy & close morng — cleared at 8 —; bright, hot, & enchanting. — Therm 65° at 9. — 74° at 12. — & 76° — pm. — Often bright after 12 — but clouds came on in richest variety — cirrocumuli — trains of cumulostrati across west, & nimbi in NW with thunder at 2 & 3 pm. A very hot day! — The rocky crowns of the clouds very defined & beautiful, in W, wind to SW after these had passed to N-ward. Clear night — lightning SE — & meteors running in same part to Westwd.	Var 0. SSE 1. S 1. S W 1. W 2.	44	57	76

APRIL 1843.

Day.	Barometer.		Point and Force of wind.	Thermometer: Lowest State early	8 a.m.	Highest State.
Friday, April 21.	30·00 ·03 ·02	Streaky haze early, salmon tint ☉ rise, — bright and hot day — some large cumuli after 12 — and distant cumulostratus — but a fine and charming day. — Wind veered at 2 pm — Dark blue cirrostrati this eveng. — Night in part cloudy.	NW 1. NW 1. SSE 2.	45	55	69
Saturday, April 22.	29·98 30·02 ·12	Cloudy morng, gentle rain till noon, then fine, sun at times, with rocky cumuli. A nimbus passed to NW & N — at 4½ pm. Cool windy eveng — clear above — clouds on West horizon — wd veered at noon. — Clear evening after 8 — but windy. —	S SE 1. S W 4. WSW 4.	47½	53	59
Sunday, April 23.	·18 ·18 ·22	Clear sunny morng. forenoons generally bright, a fine day — but larger cumuli & cumulostrati intervened after 12 — sun at times. A nimbus in WSW at 4 pm. — and some distant in South & West — at 7 pm. Rosy cirri & cool breeze. —	S W 1. SSW 2. S 2. SSE 1.	38	50	61½
Monday, April 24.	·18 ·15 ·17 ·21	Clear morng, a bright and parching day — cumuli clouds, bright sun, and brisk wind. — Eveng clear above but hazy below about the west. Cold air — twilight strong in the North. —	E 2. ENE 3. E 1.	37	50	62½
Tuesday, April 25.	29·95 ·80 ·68 ·74	Frosty early — became cloudy & wind to S. — Overcast at noon & rain commencing wind rough and raw. Finer & little sun after 3 — clouds in upper current from SW, lower one S by E. — afterwards veered, with showers. At ☉ set. red cirrostrati. —	S 2. S 4. SW 3. WNW 2	32½	47	51
Wednesday, April 26.	·74 ·79 ·83	Dense cumuli & sun, during forenoon, brighter after 1 pm — pleasant sunny afternoon — rocky cumuli & cumulostrati clouds. — Dark clouds & little showers during the night — and the wind veering back again. —	W 1. N W 2. WNW 2. W 1.	38	48	55
Thursday, April 27.	·93 30·02 ·07	Bright sun, large rocky cumuli, a very fine sunny & pleasant day, the formal beauty of the white rocky tops of the cumuli peculiarly touching to every observer. Eveng in part clear, clouds in W. —	NE 1. E 1. E 1.	38	49	62
Friday, April 28.	29·97 ·88 ·85	Clear ☉ rise — dark clouds followed from SW —, again bright from 10 to 12 — with the white cirrostrati & cumuli, afterwards hazy sun dim, and darker mixed undulated clouds in lower stratum, wind galy. — Cloudy eveng & night — rain & squalls.	SSE 3. S by E 4 S by E.	39	50	58
Saturday, April 29.	·85 ·89 ·95	Cloudy & close morng — became sunny after 11 — warm and pleasant — heavy cumuli & dark cirrostrati. — A few drops during eveng, but became clear after 8 pm. — New moon 4¼ pm. —	N E 0. SSE 2. E 1.	45	51	60
Sunday, April 30.	30·02 ·11 ·17	Bright and warm morng, very clear all day, bright sun, no cloud. Very warm with drying breeze. — Perfectly clear ☉ set, full orange tinted splendour over the west & NW. — 9 pm — a breeze, Thermr rising from 53° to 54½°. — Night clear and windy, — but warm — no dew. —	E 2. E 3. ENE 3 & 4.	44	59	67

☞ The growing crops all unusually prosperous.

Results for the month of April 1843. —

Barom	Highest on 18th — 30·25 Lowest on 4th — 29·49 Range — 0·76 Mean of month — 30·005	Thermomr	Highest on 20th 76° Lowest 11th early — 30° Range — 46° Mean of month — 50°0833

Winds much divided - chiefly SW & E. Fine days 19 in number. Rain 1·52 - and Evaporation 3·59 Inches. -

This was a fine genial month on the whole, and an early and good Spring. — No considerable cases of sickness around us, but what is common at such time of the Year. — Many deaths from extreme age, and among the young from consumption. —

MAY 1843.

Day.	Barometer.		Point and Force of Wind.	Thermometer Lowest state early	9 a.m.	Highest State.
Monday, May 1st.	30·27 ·32 ·35	Clear ⊙ rise, a warm breeze, very bright all day, no clouds, boisterous & parching breeze, yet very warm. Golden ⊙ set - a few gilded streaks of cirrostratus. - Clear night less wind than last. —	E 3. ENE 4. ENE 2.	51	61	68½
Tuesday, May 2.	·33 ·25 ·23	Clear & splendid morng, a very bright day warm & parching, the breeze continuing. Sun set in full glory, but it became cloudy at 9 - the same all night. The purple & rose very apparent in SE at 8.	NE 1. ENE 3. NE 2.	43	61	69
Wednesday May 3.	·07 ·01 ·00	Cloudy early - cleared after 8 - a current above from SE with cirrocumuli. Fine and very bright day, trains of white cirrocumulus & collapsed cirrus. Copper coloured sunset & curly cirri with dusky haze near ⊙. A rocky cloud on WSW horizon. —	NE 2. ENE 1. E 0	42	54	68
Thursday May 4.	29·89 ·87 ·83 ·85	A little wet early, cirrocumuli in flocks with mottled cirrostrati. Became clear after 9 - bright & hot forenoon, some rocky cumuli. At 1 pm - strong smelling blue haze enveloped the landscape, with dark cumulostratus. A shower of large drops at 3½ pm - again bright with beautiful groups of rocky cloud. - Coppery clouds during eveng - some rocky & others of cirri-form. —	S 1. SSW 2. SW 3. Thunder in SW - N & SE - pm.	45	60	70
Friday, May 5.	·85 ·84 ·84	Cumuli, scuds, cirrostrati & sun, with a brisk wind, - pleasant & chiefly fine, but heavy showers passed NW to N - 2 pm a few large drops here. - Beautiful sunset cirrostrati of grained appearance tinged gold & crimson. - Rainy after 9 - & warm.	SW 3. SW 3. SW 2.	47½	60	65
Saturday, May 6.	·58 ·47 ·73	Cloudy & rain with squalls of wind, till after 10 - then finer, little sun till 2 pm showers intervening at 12, - after 2 - a gale with beating showers - wind veering - and therm fell to 44½° at 3½ pm! - Afterwards clearer windy, & mixed clouds - from cirri to scuds. - Therm rising again. - Wind fell to calm at ⊙ set.	SE 4. SE 4. SW 4. W 6. W by N.	51	55	58
Sunday, May 7.	29·77 ·75 ·74	Morning bright - cirri & the barred cirrostrati at 8 -, forenoon bright with cumuli, more cloudy after 12 with dark nimbi at times - sun alternately, - a shower of rain & hail at 4 - & hail again at 5½ pm. Calm eveng, cirrostrati & sun. during the night wind more to East, in part clear.	SW 2. SW 1. SSE 2. S 0.	38½	52	59
Monday, May 8.	·72 ·73 ·72	Cloudy raw & cool breeze, a very gloomy and cool day, generally cloudy, hazy above, & heavy, dense, & dusky cumuli below, little sun gleam. - Rain set in at 4½ pm - partially & for a few minutes. After 6 continued rain blue raggy clouds and strong electrical smell. —	NE 3. NE 4. NE 3.	43	50	53
Tuesday, May 9.	·78 ·88 30·01	Cloudy - light rain at times, very gloomy and unpleasant, yet a fruitful interval for all vegetable life. Evening fine, but clouded and the electrical smell returned. —	NE 2. ENE 2. ENE 2.	45	50	52
Wednesday, May 10.	30·18 ·23 ·31	Cloudy with sun gleams, strong electric odour during morng, became gradually clearer all the forenoon - blue sky, & variety of clouds at different heights - bright noon & afternoon, with cumuli. - Pure golden ⊙ set, and a beam of Aurora Borealis - 10 pm. —	ENE 2. E 3. v 2. E 1.	47	54	62
Thursday, May 11.	·33 ·34 ·33 ·34	Fog early, became bright at 8 - a very fine sunny day, cumuli clouds passing. After 3 pm - combating currents & clouds from SW. - Sun set in blue haze. Night clear. —	NE 1. NE 1. E by S 1.	41	55	66
Friday, May 12.	·31 ·23 ·15	Bright morng with sulphureous haze. A very fine - bright and lovely day till after 2 - when it became hazy with blue cumuli. Evening cloudy & warm with a little wet after 8 pm - and most of the night, yet trifling only.	S 1. S 2. S 2.	41	61	68
Saturday, May 13.	·01 ·04 ·05	Warm & cloudy morng & forenoon - afternoon bright at times, cumuli clouds of different densities. — A fine growing, & pleasant day; — Full moon - 10 pm. — Night in part clear, some mottled cirrostrati clouds.	W 2. W 2. W 1.	52½	60	65
Sunday, May 14.	29·98 ·90 ·80	Calm - sunny & warm morng, spongy cirrus & cirrostratus like locks of wool at 8 am - dusky cumuli followed, with sun at times during forenoon. - Haze cirrostrati & sun after 1 pm, yet very pleasant. At 7 pm black about S. - rain at 8, and afterwards. warm & growing.	W by N 0. SW 1. SE 2. SE 2.	45	64	66
Monday, May 15.	·65 ·67 ·70	Rain till 8 am - cleared at 9, fine sunny & warm till 2½ pm - with cumuli, & cirrostrati, afterwards showery again. - Dark banks of clouds during eveng. —	SSE 1. SW 1. SW 1. S 0.	51	62	67
Tuesday, May 16.	·59 ·62 ·66	Heavy rain early, cleared at 8 -, a fine sunny day, fleecy cumuli clouds until 4 pm, then dark clouds about West combating the low current. Evening cloudy with cirrostratus and raggy cloud.	SE 1. ESE 1. ESE 2.	50	58	65
Wednesday, May 17.	·68 ·73 ·86	Raggy clouds & unsettled sky, a fine day, till 3, sun at times, loose cumuli, and dark low clouds of raggy appearance. At 3 pm - showery, yet trifling showers, eveng cloudy. —	E 2. NE 3. NE 2.	49	56	63½

May 1843.

Day	Barometer	May 1843.	Point and Force of Wind	Thermometer: Lowest state early	9 A.M.	Highest State
Thursday May 18.	29·96 30·00 ·03	Cloudy, little wet at times; large and dark raggy clouds in low stratum with showers & chilling breeze. — The lilacs have been full in bloom these 10 days – & the laburnums now open. — All trees in leaf – and the apple thickly decked with blossom – as the pear trees have also been. — Cloudy and mizzling evening. —	NE 3. NNE 3. NE 3.	45½	49	51
Friday. May 19.	·07 ·10 ·08	Scuds, loose cumuli & sun, cheering morning; the day fine with sun and cumuli, evening cloudy with wind. Stars more seen after 9 pm. — Rather unsettled & cool at present. —	E 3. E 3. E 3.	46	54	61
Saturday, May 20.	·03 ·02 29·96	Bright sun, scuds & cumuli, some cirri & slight halo in the morng, a fine sunny day with cirri & cumuli & cool breeze — An arc of cirri from SE this eveng, and hazy clouds. —	ESE 3. E 3. E by S 2	47	59	61
Sunday, May 21.	·82 ·83 ·80 ·82	Rainy morning from 6 till noon, heavy at ¼ to 11. — Cleared after 12 – cirri cumuli & sun till after 3, then more clouded with mixed modifications – black in the west at 3 – & 5 pm. Evening in part cloudy with cirrostrati. —	SE 1 SE 2. SE 1.	48	55	64½
Monday May 22	·84 ·84 ·85	Grey fleecy cumuli & sun during morning, bright and warm till after 2, rocky cumuli clouds, and at 2 pm – distant nimbi collected in S – & SE – & wind receded to SSE again. — Bright evening but a hazy night. —	SW 0. SSW 1. SSE 2. & 1. —	50	62	69
Tuesday, May 23.	·88 ·90 ·88 ·86	Cloudy morng with thin clouds, and sun-gleams. More cloudy after 12, dark cumuli and cirrostrati. Evening cloudy with little wet, hazy cirrostrati, and knotty clouds of darker hue. —	S 1. SE 2. E 2.	50	60	66
Wednesday, May 24.	·69 ·72 ·75	Fine morng till 8, sun gleam & thin vapour in streaks, a dark arc of cloud rising SSE across the lower wind. Rain set in after 8 am hard rain at 9½ AM, – continued till near 11 – fine noon & afternoon, warm & pleasant – sun gleaming with haziness, cirrostrati and cumuli. At 4 pm brighter, & at 6½ pm – clear & yellow west – & black in South, some rain again at 7 pm – and during night. —	E 3. SE 1. S 1. S 1.	53	59	65
Thursday May 25.	·76 ·80 ·85	Bright morng with rocky cumuli, and a very bright and lovely day with cumuli clouds. — Beautiful evening – nearly clear with orange-coloured ☉ set, and serene and clear night. —	SW 1. SW 1. SW 1.	52	63	70
Friday. May 26.	·86 ·80 ·68	Bright morng – and until 3 pm – a fine day, cirrostrati cumuli & sun, blustering wind and somewhat stormy as day declined. Evening cloudy little wet at times, and thunder in the west very distant – 5 & 6 pm. —	SW 2. SW 4. SW 1.	48	63½	67
Saturday, May 27.	·71 ·57 ·56	Bright morng – pale sky & cirri clouds – cloudy with rain after 9 – and a very stormy day, frequent showers & sun between, black clouds, formidable & extensive. — At 2½ pm, a very heavy rain, vivid lightning and loud thunder. — Showery eveng. —	SW 1. SW 3. SW 1.	52	59	62½

May 1843.

Day	Barometer	May 1843.	Point & Force of Wind	Thermometer: Lowest state early	9 a m	Highest state
Sunday, May 28.	29·64 ·74 ·80 ·93	Scuds, cumuli and sun, and by 9 am – cumulostrati very dense, rocky and black – thunder then near us. – Hot gleams of sun till near 11 – between black rocky groups. – At 11 – and again at ¼ to 12 – very awful storms of heavy hail, rain, lightning and thunder. The hail very large – and loud thunder continued with succeeding showers till near 1 pm. — Showery & unsettled afternoon. — Therm highest between 10 & 11 am – & by 3 pm – it fell 10°. — The sound of the storm on coming on – was like that of carriages approaching. After the storm – heaps of hail and deluges of water about the kennels & walls. — The fall of water these two days – just above 1 Inch in depth! — Clearing up in NW – at 7 – & became clear in part at 9 pm.	SW 2. W 1. W by N 2. NW 3. 2 & 1.	50	58	64
Monday, May 29. New moon 7 AM. —	30·07 ·10 ·13 ·14	Thin clouds & haziness – till after 2 pm, afterwards slowly clearing – at 4 pm – bright sun – with cirro-cumuli. Sunny & pleasant evening wind very gentle & variable in point. — Serene eveng after 7 – and sun set red in ash-coloured haze.	WSW 1. WSW 1 Var. 0.	41	53	58
Tuesday, May 30.	·22 ·20 ·15	Clear – lovely morng, and bright till after 3 pm – some spongy cirri, cirro-cumuli & cumuli. — Black clouds in cross currents after 3 pm – increased at 6. – Cloudy eveng.	SW 0. S 1. S by E 1.	40	61	68
Wednesday, May 31.	29·97 ·98 ·96	Rain early, cloudy till 9 – afterwards sunny at times – very warm – with fostering breeze, cumuli – cirrostrati & cirro cumuli. — Close evening after warm breezes soft blue cirrostrati, and little haziness. —	SW 2. W 4. W 2.	50	61	69

— Results for May 1843. —

Barom.	Highest on 1st & 11th 30·35 Lowest on 6th 29·47 Range 0·88 Mean of the month 29·9254	Therm.	Highest on 4th & 25th 70° Lowest 7th morng 38½ Range 31½ Mean of the month 55·419

Winds chiefly NE and SW, fine days 22 in number, Rain 3·21 Inches, & Evaporation 3·54 Inches.

This was a remarkably rainy month consequently the day temperatures were seldom high, yet the nights were less cold than if it had been dry. — The month on the whole was a very growing time, and all nature early. —

No great sickness, but many cases of trifling disorder. —

Elder & Dog-rose opening flower at the end. —

JUNE 1843.

Day	Barometer	JUNE 1843.	Point and Force of Wind	Thermometer lowest State early	9 am	Highest State
Thursday June 1st.	29.83 -83 -71	A shower at 5 a.m. sultry & cloudy morning, sun at times gleaming; a close and hot day, yet mostly cloudy - cirrocumuli above, & large scuds below; with sun between. At 3 pm some low clouds & little wet. — Fine & hot eveng. in part clear. 8 pm Thr 62°.	W 3. SW 2. S 1.	57	64	73
Friday, June 2nd	-51 -50 -52 -44	Overcast & foggy morning, little rain, became clearer at 10½ a.m. boisterous & warm hazy sky, dim sun, & flying cumuli. — A parhelion North of ☉ 6½ pm. and a black nimbus in SW. heavy clouds & squall at 7 - the storm passing to NW. Some large drops fell here. Stormy wind during night.	SE 2. SW 5. SSE 5. S 4.	54.	62	68
Saturday, June 3rd	-59 -67 -73	Loose cumuli & sun, wind less as day advanced - a fine & warm forenoon - sunny, & clouds flying in loose fleeces, a heavy shower, 1¼ pm - cirri, & all clouds prevailing with sun - afterwards. — Eveng chiefly clear, some cirri in tufts.	S 4. S 3. SW 2.	52	62	68
Whitsunday, June 4.	-83 -85 -84 -89	Clear orange sun-rise, a bed of scattered & mixed cloud followed, after 10 - chiefly sun with cumuli & cirrocumuli, a fine and warm day. After 2 pm - distant groups of cloud about ESE to S. horizon - rocky heads with bands of cirrostratus across them, and very distant thunder, the same all the eveng, but more to SW. - Calm & warm evening. Therm 62° at 8. — Dark knotty cirrostrati & shower 10 pm.	SE 0. 01. SE 2 SE 0.	48½	62	69
Monday. June 5.	-95 -97 -98	Loose cumuli & sun, - a fine day & chiefly cumuli & sunshine, some distant small nimbi, & at 4pm a little shower for a minute. Fine eveng clear sunset, and wind become calm.	SW 2. SW 3 S 1.	48	62	68
Tuesday, June 6. 808	-97 -95 -99	Rocky cumulostrati, nimbi, cirri & sun. a shower at 8 & 9 a.m. - chiefly showery, and sun at times, the clouds on many tacks & the currents adverse continually. Cloudy evening & night.	SE 0 E 1 NNW 1 NW 1.	46	59	64
Wednesday, June 7.	30.00 29.98 -90	Cloudy with sun, chiefly cloudy, with dusky cirrostrati & cumuli - but little sun-gleam, more cloudy after 3 with low raggy divisions. — Eveng in part clearer, but became overcast at night.	NW 2. W 3. SSW 2	49	56	62
Thursday, June 8.	-58 -54 -50 -45	Windy & rainy morng till 8, afterwards sun & flying cumuli & scuds, a bright and windy day after 9 - warm & pleasant, loose cumuli flying. — Windy night & dusky clouds flying.	SSE 3. SSW 4. SW 4.	52	63	67
Friday, June 9.	-48 -58 -71	Cloudy & windy morng, but clearer after 9, flying clouds & sun, nimbi passing near - during the whole day, and a little wet occasionally. Fine halo at 11 a.m. Evening cloudy and fine.	SW 4. W 5. WSW 3.	53	61	66
Saturday, June 10.	-84 -93 30.02	Cloudy with sun, a squally day - frequent flying showers & sun between, clouds very much mixed - but many nimbi & the wind gusty. More fine & sunny after 3 pm. Evening cloudy. —	W 3. WNW 4. WNW 3	51	60	64

JUNE 1843.

Day	Barometer	JUNE 1843.	Point and Force of Wind	Thermometer lowest State early	9 am	Highest State
Sunday, June 11.	30.14 -17 -17	Cloudy with sprinklings during morng. clouds increased with frequent showers sun at times; a very heavy shower at 1 pm. afterwards finer with cumuli, cirrostrati & sun; Evening clearer - the Northern sky first opening. Cloudy night.	WNW 2. NW 2. NNW 3. 2 & 1.	50	58	62
Monday, June 12.	-15 -13 -14	Overcast & rain more or less, until 11 a.m, afterwards fine - & clearer, sun appeared, after 3 - with large loose cumuli clouds & cirri above. — Full moon 7 a.m. Red sky - eveng. & large raggy clouds.	NNW 2. N 3 NE 3. NE 2.	50	51	60
Tuesday, June 13.	-01 29.96 -98 -98	Heavy rain from before 2 AM, continued more or less all day, except a little intermission about noon; Eveng much warmer & the thermr rose all night. — Rain ceased at midnight. —	N 2. NNE 2. ENE 1.	50	54	58
Wednesday, June 14.	30.12 -14 -17	Cloudy, but gradually clearing & a very warm morning; after 10 a fine bright & hot day fleecy cumuli & cirrocumuli above them; Evening clouded and very close. Thermr 60° at 9 pm.	ENE 1, E 2. E 1.	56	62	71
Thursday, June 15.	-19 -20 -17	A bright and lovely morng. Knotty cumuli intersected by white lines of cirrostratus, these passed to WSW at 8 AM - bordered by a silvery line across East. - Very bright and hot at 9 - continued quite clear all day - with very brisk breeze; - but much cooler on account of the great & sudden evaporation. - Clear yellow sunset. Clear night.	E by N 2. ENE 3. NE 4.	54	66	69
Friday, June 16.	-12 -14 -14	Clear morning, and the day through, very bright. - no cloud but a few linear cirri and faint halo. - A tuft of cirrus at 6 & 7 pm near West horizon reflecting fiery rays & parhelion. — Orange sun set.	ENE 3. ENE 2. ENE 2.	51	67	72
Saturday, June 17.	-20 -17 -17	Thin clouds in the morng until 10 - afterwards very bright and hot. The Cuckoo has been unusually tuneful all the week and often seen near us. — Sun set clear. but a cloudy night - from fog coming on. —	NE 1. NE 1. NE 2.	50	60	73
Sunday, June 18.	-14 -08 -03	Cloudy - some fog, chiefly half clouded till 1pm - scuds - cirri - & sun - afterwards bright with much cirrus & cirrostrati Evening hazy, - & some tufts of cirrus. Faint Parhelion in West at 7 pm. — Evening & night cloudy.	NE 1. NE 2. NE 2	50	60	67
Monday, June 19.	-01 -05 -10	Cloudy with cool breeze, - general light grey cloudiness all day, trifling sun-gleam, Evening in part more lightly clouded, and the Barometer rising. Moon last Qr. 8½ pm. In spite of the clouds - the earth was warm to day.	N 2. N by E 3. NNE 2.	50	53	61
Tuesday, June 20.	-19 -27 -30	Cloudy & cool breeze; grey cloudiness continued - gleams of sun, & gentle breeze, A tendency to clear during evening, the wind calm and about veering. — Gardens now beautiful, and gooseberries & currants plentiful. —	N 2. N 1. N 0.	49	53	61

JUNE 1843.

Day.	Barometer.		Point and Force of Wind.	Thermometer Lowest State early	9 AM.	Highest State
Wednesday, June 21.	30·26 ·19 ·13	—Summer Solstice, Longest Day.— Clear, bright, and lovely morning, some cirri; a fine & hot day, chiefly sunny, with mixed clouds, flocks of cirrocumulus, and thin dappled cirrostratus.— At ☉ set, a rosy sky with blue clouds of rocky form. Close eveng, 9 pm Therm 63°.—	W 1. W 2. WSW 1.	45	63	72
Thursday, June 22.	·12 ·14 ·15 ·22	Thick blue cloudiness all the morng; became clear after 10— rocky cumuli, mixed clouds & sun; a fine pleasant day.— Very clear during evening, and a pure orange sun-set. Much dew.—	NW 1. NE 1. NE 1.	54	61	69
Friday, June 23.	·20 ·20 ·21 ·20	Clear dewy morng, a very bright day throughout, no cloud but a few small cumuli, and gentle wind. After 6 pm— a beautiful sheet of dapple cloud, combined with undulating lines of vapour— passing over to SSE— and the same presented a striking picture in NW at ☉ set. 8 pm Therm 62°.—	NW 1. NNW 1. Var. 0.	44	63	72
Saturday, June 24.	·18 ·16 ·15	Bright morng. cumuli followed, and after 11— chiefly clouded with many low cumuli, little sun— but still fine. Eveng clouded— more or less.— Fine and temperate weather.—	NNW 1. N 2. N by E 1.	49	59	64
Sunday, June 25.	·08 ·09 ·07 ·09	Cloudy, trifling mizzle at 7 am, afterwards— cumuli in large fleeces— & sun between; the clouds became smaller during afternoon, chiefly bright with cool breeze.— Clear evening, brilliant sun-set.—	N 2. NNE 2. N by E 2.	50	59	65
Monday, June 26.	·04 ·04 ·05	Morng in part cloudy, became clear and a very bright & hot day, with cirri, cumuli & linear haze to SW.— Calm, brilliant eveng— orange sun-set. Rocky clouds on the S. horizon headed by cirri.—	N by E 2 N 1. N 0.	49½	60	72
Tuesday, June 27.	29·95 ·91 ·88	Fog from 4 till 8 AM, afterwards— sunny with cirrocumuli, bright knotty cumuli, & fleecy cumuli,— a hot day in a moderate degree.— Dusky cirrostrati after 4— & became chiefly cloudy during eveng. New moon 7½ pm — Cloudy night. few drops— 9 pm.—	Var. 0. WNW 1. NNW 2.	47½	61	72½
Wednesday, June 28.	·79 ·77 ·81 ·83	Large & dense rocky clouds with sun; and mixed clouds all day, passing nimbi & light shower at noon— brighter afternoon— cool breeze continues.— Cloudy evening & coppery sun-set.—	NW 1. NW 3. NW 2.	50	58	65
Thursday, June 29.	·85 ·91 ·95	Cloudy morng, and dark heavy cumuli & cirrostrati during forenoon. Afternoon at times sunny with mixed clouds, pleasant & temperate. Calm & pleasant eveng. a dark arc of cloud across WSW.— Few drops.—	NW 2. NW 2 NW 0.	49	56	63
Friday, June 30.	·98 30·00 ·01	Dusky cumuli, cirrostrati & faint sun, dry & pleasant morng,— a fine and pleasant day, but cloudy more or less— with dark cumuli & cirrostrati.— A little rain 10 & 11 pm.——	W 1. W 2. W 2.	51	60	62

Conclusive Report for June 1843.—

Baromr. { Highest on 20th 30·30 Lowest on 2nd — 29·44 Range = 0·86 Mean of the Month = 29·9991	Thermomr.— { Highest on 1st & 17th 73° Lowest on 23d morng — 44° Range = 29° Mean of month = 58°·4833

Winds chiefly Northerly, but much divided; fine days 21 in number. Rain 1·69, and Evaporation 4·72 Inches.—

This was on the whole a remarkably temperate & good month, for although it was at first rainy and cloudy, yet no very cold nights occurred, and from the 14th to the end in these parts was a continued dryness & warm sun at times, constituting a charming hay-time.— The crops were fine & well secured;— corn-fields promise fairly,— not so the fruit-trees— but the humble pasty-fruits are plentiful.— No great sickness but many trifling disorders yielded to common medicine.——

JULY 1843.

Day.	Barometer.		Point and force of wind.	Thermometer Lowest State early	9 AM.	Highest State
Saturday, July 1st.	30·07 ·13 ·15 ·14	Bright morning— sheets of cirri passing off, a very fine & warm day, mixture of cloud from cirrocumuli to small nimbi but often sunny.— Close & pleasant eveng— much cirrocumuli & haze. 8 pm Th 63°.—	W 1 W 2. WSW 2	53	65	72
Sunday, July 2nd.	·08 ·10 ·12	Cloudy morng, some rain early, warm breeze & pleasant. became clearer & fine, a very sultry day, cirrocumuli in white dapples— cirrostrati, cumuli, & sun at times, the wind blowing warm.— Bright evening clear orange sun-set.— 8 pm Therm 68°. Hot night, clear sky and light breeze.—	SW 3. WSW 2. WSW 2.	56	63	72
Monday, July 3rd.	·13 ·12 ·13 ·14	Clear morng & hot breeze, a beautiful summer's day, bright and very hot till after 1 pm— cirri in tufts about W & NW.— blue haze and grey clouds at 2 & 3 pm a hot and sultry breeze continuing.— Much cirrostratus, & hazy eveng— but sultry although a breeze. Therm 69° at 8 pm.—	SW 2. SW 3. SW 3.	60	73	79
Tuesday, July 4th.	·18 ·14 ·09 ·07	Morning cloudy & sultry, clearer after 9, a very hot and sultry day, many low clouds, & cirrocumuli above them, also cirri; sun at times.— Hazy ☉ set, and minute filaments of black raggy cloud: Streaks of haze and dapple cloud converging in SSE.— Gentle breeze at 10 pm— but clearer sky: —— great shews for thunder approaching.——	SSW 1. SSE 0. & 1.— SSE 2.	60	67	78

☞ July has opened with perfect summer, in all her glory. —— A most charming hay-time for 3 weeks past, and most persons have got all up,— quality & bulk— good.——

Day.	Barometer.	JULY 1843.	Point and Force of Wind.	Thermometer Lowest State early.	9 AM.	Highest State.
Wednesday July 5.	29·94 ·92 ·93 ·87 ·84 ·84	Bright and oppressive morn^g, some cirri only, but at 8 am rocky banks on SW & W crossed by cirrostrati. The Thermom^r hourly as in the column here placed. – A very bright, and excessively hot day, even beyond what is usual here. – Flocks of curdy cirrocumulus, and silky cirri reflecting red & green near the sun. – Water became heated above 102° near the ground in sun at noon! The west continued skirted by very distant electrical clouds in detached forms, and groups behind them, the sun brilliantly shining here. A cirrostratus passed at 4 pm – with a few large drops. – Clear again at 4½ pm. – At sun-set, flocks of dusky cirrocumulus in compact divisions. Hazy night, cirrostrati & very distant lightning	SE 1. SSE 2. SSE 2. SE 2. S 2. & 1.	60	81	90!
Thursday, July 6.	·96 ·98 ·99	Distant thunder early this morn^g, rain at 6 – & till 8½ AM. – afterwards cumuli, blue haze, and sun, fine & pleasant. More hazy during the afternoon. Calm & close even^g – hazy cirrostrati, and rosy sun set, the orb clear.	SSW 1. SW 3. 2 & 1. SW 0.	60	63	70
Friday, July 7.	30·07 ·10 ·12	Cumuli and sun, a fine summer's day, chiefly sun, with mixed clouds cirrostrati, cumuli & some distant nimbi; in the evening a breeze and some cirrostrati, after a bright sun & cumuli only.	SW 2. SW 4. S 2.	56	66	73
Saturday, July 8.	·09 ·04 ·07	Rugged cumulostrati, nimbi with hasty showers & distant thunder, sun at times; At 1 pm very black thunder-clouds – 8 miles West, and white scuds or broken vapour working in many currents upon the black cloud. Evening in part clear, clouds passing off.	SE 2. S 1. SE 2.	57	65	69
Sunday. July 9.	·13 ·11 ·11 ·15	Bright morn^g after a fog – a bed of cirrocumulus from East at 8 am – fine & hot day, but a turbulent look in the clouds – distant nimbi hung westward at 1 & 2 pm – many adverse currents shewn by the motion of the clouds, cumuli & cumulostrati crossed by cirrostrati in white lines, sun set in a plane line of cloud, but a clear & calm evening, & pleasant. –	ENE 0. E 2. E 2. E 0.	49	64	72
Monday, July 10.	·08 ·07 ·05 ·07	Morning bright with scuds & undulated cirrostrati, became clouded over after 8 am, continued very cloudy all Day, and a very cool breeze. Even^g trifling mizzle – but warmer comparatively. –	NW 2. NW 4. NW 3.	52½	60	60
Tuesday, July 11.	·14 ·23 ·29	Cloudy with general grey cloud, the same more or less all the day, and a cool breeze, yet continued dryness – and rising Mercury. **Full moon 5 pm.**	NW 2 NW 3. N 2.	56	60	63
Wednesday, July 12.	·32 ·30 ·28	Clouds & sun, cleared off as day opened, trains of cirrocumuli dappled the sky after 10, in silvery white specks – with cumuli & sun – very hot & sultry, but at 1 pm again more clouded, quite calm, & very sultry. Even^g clearer, but a little hazy with mottled cirrostrati. —	NW 1. Var. 0. SE ½.	54	61	77

Thermometer	
7 am	70°
8	74°
9	81°
10	86°
11	88°
12	90°
1 pm	90°
2	88½
3	85°
4	83°
5	83°
8	75½
9	73½

Day.	Barometer.	JULY 1843.	Point and Force of Wind.	Thermometer Lowest State early.	9 AM.	Highest State.
Thursday, July 13.	30·20 ·19 ·18	Sultry & calm morn^g, much cirrostratus & haze with a little rain at 7 & 8, afterwards fine hot & close, little sun – cirrocumuli above, and dark blue clouds below them. – Dark clouds lowering with showers at sun set, just settling the dust. —	SW 0. W 1. NW 0. NE 1.	57	63	75
Friday, July 14.	·22 ·23 ·23	Very fine and beautiful day, bright sun, with loose fleecy cumuli clouds; Delightful even^g, cirrocumuli & brilliant sun, golden sun-set, w^d veered about again to SW. Dark knotty clouds came over from West 9 pm. —	NE 1. NW 1. NW 1. SW 1.	55	60	74
Saturday, July 15.	·20 ·22 ·23	Bright morn^g with cirrocumuli, and a very hot day, cirri, cumuli, and sun, with a soft zephyr. More clouded after 3 – and very sultry, low cloud & mizzle soon after 6 pm, then clearer & again fair. The sun set in golden tinted cirrostrati. Therm^r 8 pm 67°.	WSW 1. W 1. W 1. & 0.	54	69	78
Sunday, July 16.	·32 ·34 ·37	Brilliant orange ☉ rise, cirri ramifying about zenith at 7 & 8. A bright and very hot day, with cirri & cumuli. – Lovely summer weather! Calm & sultry even^g, grey cloudiness in curdy sheet. Th^r 68° – 8 pm.	W by N 1. W 1. W 0.	56½	68	76
Monday, July 17.	·39 ·35 ·30	A sheet of grey cloud gliding over till 9 am, very hot morn^g, a fine and lovely summer day, sun at times & very hot with cumuli at different elevations. Cumulostrati in S at 6 pm. – Calm & hot even^g, 9 pm Th^r 68°. Much curdy cirro-cumulus. —	W 0 SW 2. SW 1. W 0	60	72	80
Tuesday, July 18.	·10 ·02 29·96	Flying raggy cumuli & hot sun, very sultry day, with galy wind, sun at times and mixed clouds from cirri in fibrous clusters to cumulostrati. At 2 pm it became clouded over, with rain, fine at 4, but from 6 till 11 pm, steady rain	SW 3. SW 4. SW 2.	59	68	76
Wednesday, July 19.	·91 ·87 ·85	Blue mist, scuds & sun; after 8 – bright & hot till noon, with cumuli & the white bars of cirrostratus in arcs. – Dark clouds in NW at 2 pm, little shower followed, – another at 5 pm. Coppery sun-set and dark serrated cirrostrati. –	NW 1. W 2. W 0.	56½	65	71
Thursday, July 20.	·88 ·86 ·88	Loose cumuli and sun – fine morning. – A stormy sky with all clouds from cirri to cumulo-strati, but fine & sun at times till after 3 – then a dark cloud & shower rather heavy. Rainy even^g. —	NW 1. W 3. W 2.	49	62	68
Friday, July 21.	·78 ·82 ·88	Flying clouds, windy, & little sun, more hazy in the day, with mixed bed of clouds, sun dim & wind brisk – Evening clearer, but clouds flying. —	W 4. WNW 3. NW 3	54	63	65
Saturday, July 22.	·94 ·83 ·74	Sheets of cirrocumuli during the morn^g, bright morn^g till 11 – with cumuli, afterwards cloudy & showery afternoon and evening. – A sudden change from a sunny hot forenoon to a stormy sky, but the rain is much needed. —	W 2. W 3. W 1.	52	65	67

July 1843.

Day	Barometer		Point and Force of Wind	Thermometer Lowest state early	9 AM	Highest State
Sunday, July 23.	29·56 ·53 ·55 ·85	Flying nimbi, squall & beating shower at 6 a.m. clearer & fine after 8, till near 11 - rocky clouds & sun - afterwards very squally - beating sudden showers & sun between. Overcast and very showery eveng.	W 3. NW 3. NW 3	54	61	65
Monday, July 24.	30·12 ·17 ·22	Clear morng, after 8 - the white ribbed cloud & cumuli came on, sun bright between. A fine day, many clouds chiefly cumuli & sun between. - Eveng hazy and dark cumulostrati.	NW 2. & 1. WNW 2. NW 1.	48½	61	66
Tuesday, July 25.	·31 ·33 ·38	Very clear & dewy morng, orange ☉ rise, bright sun & cumuli till 1pm - afterwards more clouded with grey cirrostrati but sun gleaming. - These clouds glided in an upper current from NNW. leaving clear sky to NE, & cumuli grouped further to NE. at 2 & 3pm. Calm and warm eveng pale haziness & blue cumuli. - cirri bright 9½pm.	NW 0. W 2. W 1.	46½	63	70
Wednesday, July 26.	·39 ·36 ·30 ·29	Brilliant ☉ rise - bright and hot till noon, some clouds from cirri to cumuli, afternoon sultry - blue haze - & sun dim. with heavy cumuli - Eveng close & sultry - some large drops from dark cirrostratus - Very close night, distant lightning and thunder. - 8pm Th 68°.	SW 1. SW 2. SW 0.	49	69	75½
Thursday, July 27. New moon 5¾ am.	·19 ·14 ·13	Rain at 6 & 7 AM, cleared at 9 - to a bright and hot day, cumuli and cirrocumuli clouds. - The sun-set salmon tint, among blue cirrostrati & cumuli. -	SW 1. WNW 1. WNW 1.	59½	66	74
Friday, July 28.	·15 ·14 ·11	Bright morng, loose cumuli & scuds followed, a fine and pleasant day hot & close, some sun with cirri, cirrocumuli, & cumuli clouds. During eveng - dark sheets of cirrostratus about W. very soft & pleasant, rain after 8. -	NW 1. NW 1. W 1.	53	62	72
Saturday, July 29.	29·90 ·80 ·74 ·76	Cloudy with rain early, very warm and windy. - The day chiefly fine - Arcs of cirri & cirrocumuli - in lines & dots of white, and cumuli with scuds below - the Arc lying from SW to NE. - Yellow sunset, scuds & cirrostrati, windy and warm night. Th 62° - 9 pm.	SW 2. SW 4. SW 4.	57½	62	69
Sunday, July 30.	·77 ·78 ·81	Red sun-rise, afterwards scuds, cumuli, cirrostrati & sun, - Warm and windy, chiefly fine with trivial flying showers, cumuli, mixed cloud & sun. A hasty shower at 6, and dark rocky nimbi round the South all the eveng, with thunder & lightning.	WSW 3 W 3. NW 2.	57	63	72
Monday, July 31st.	·94 30·03 ·07	Grey clouds, with sun, & light breeze, some low clouds from 10 till 1 pm, afterwards a fine pleasant afternoon, cumuli - cirrocumuli, and sun, till 5pm when a very heavy storm came on - a dark nimbus from NW - beating rain in large drops - thunder in North. - Finer sunny eveng. Rosy sunset. - Fine night in part clear. -	NW 2. NW 1. NW 0	54	61	67

Conclusive Report for July 1843.

Barometer,		Thermometer,	
Highest on 17th and 26th	30·39	Highest on 5th	90°
Lowest on 23d	29·53	Lowest - 25th morng	46·5
Range	0·86	Range	43·5
Mean of month	30·078	Mean of Month	63°·5645

Prevailing winds Westerly, number of days fine 20; -

Depth of Rain 1·83, Evaporation 4·60 - Inches. -

This was a fine seasonable month with many very warm days - and one exceedingly hot, the mean temperature above the usual standard, about half a degree. It was often very cloudy with refreshing showers but having had but four cool nights all the month - hence arose the high mean temperature. - A fine crop of food for the herds - and the corn promises - but is much beaten down by its luxuriance. - Harvest will be late - as the previous months kept back the crop. Considerable sickness from disordered digestion - with slight fevers and debility - yielding to usual treatment. -

August 1843.

Day	Barometer		Winds.	Thermometer lowest state Early	9 am.	Highest state.
Tuesday August 1st.	30·07 ·05 ·01 ·03	Cloudy with sun, - wind veering before 9 am - a fine pleasant day, fleecy cumuli and sun, a drying breeze - increasing after 3 pm. - A close evening, in part clear, orange sun-set, haze and cirri in west. Therm 64° - 8 pm. -	NW 2. W 2. SW 2.	52½	62	71
Wednesday August 2nd. △ ☉ ♁	29·93 ·87 ·80	Orange sun-rise, some haze, a close and warm, but very hazy, and windy the sun gleaming, and heavy cumuli beneath the haze. - Cleared off at 8 pm - warm & windy eveng.	SSW 2. SSW 3. SSW 3	51	65	69½
Thursday, August 3rd.	·74 ·72 ·73	Orange sun-rise, scuds & wind - a stormy sky, mixed clouds & hot sun, heavy nimbi with many distant showers, & thunder. At 2 pm, awful lightning, and snapping thunder near us. - Eveng warm & a breeze - pale sky - little cloud. -	SSW 3. SW 4. SW 2.	54	64	71
Friday, August 4.	·67 ·68 ·75	Pale sky, warm and windy, - a stormy day, heavy nimbi, dashing showers, and almost constant thunder, from 1 pm. Very beautiful rocky clouds, intersected by white lines of cirrostratus, hot sun at times, another heavy shower at 4 pm, and after 7 - a severe storm, with vivid lightning and thunder. - The west cleared up at 9.	SW 3 SW 3. SW 2.	57½	65	69
Saturday, August 5.	·87 ·96 30·01	Bright morng with fleecy cumuli, a very fine & pleasant day, - cirrostrati, cumuli & sun, with fresh breeze. - Brilliant west till just before sun-set, then cloudy below - some haze. - Night in part clear above, & light breeze.	WNW 2. W 2. WSW 1.	54	64	69

Day.	Barometer:	August 1843.	Point and force of Wind.	Thermometer lowest State early	9 AM.	Highest State.
Sunday, August 6.	29·97 30·10 ·23	Rain from 3, till after 5 am. then became fine & clear, a fine sunny day, moderate heat, and cumuli clouds, some cumulostrati. – Bright & serene evening. – Orange sunset, – some blue cirrostrati. –	WNW 2. W 3. W 2.	54½	64	70
Monday, August 7.	·34 ·35 ·35	Bright orange sun-rise, after a cool morning – a great increase of heat: a fine day hazy at times, cumuli & sun, and close and hot atmosphere: the little black fly abundant on the walls & person. –	WSW 0. SSW 2. SW 2.	48½	68	73
Tuesday, August 8.	·37 ·36 ·32	Sun rose in salmon tint. Cirrocumuli, & bright knotty cumuli all the morng, very hot & sunny. – A splendid day, very bright and extremely hot, some fleecy cumuli. Very close eveng, hazy in South trains of knotty cirrocumuli & dense broken cumuli. 8 pm Thermr 69°. – Lightning in SSW after 9 pm. Hot night.	SW 1. W 1 W 0. SW 1.	58	72	81
Wednesday, August 9. ☞	·27 ·23 ·22 ·14	Hazy & very hot morng, curdy cirrocumuli, sun brightened as day opened. by 10½ am – the thermr was 78°. at 11 – 80°, at noon 82° & so for an hour & half, Extreme sultry heat, cirrocumuli, cumuli & sun. – At 4 pm – more cloudy & hazy. Very distant thunder more or less all day in SSE & W, – increased blackness at 5 pm – continual violent thunder in the west, – NW & N – all the evening. – Awful Thunder-Storm came over from 10½ to 12 night, heavy rain and hail, brilliant lightning of all tints, sheet & curved kinds and loud thunder: passed from WSW to NE.	SSW 1. SSE 1. SE 1. SE 1. E 2.	62	73	82
Thursday August 10. Full moon 5 am.	·14 ·18 ·23 ·29	Lightning and thunder continued more or less – distant – till day-light. Clear at 6 & 7 am, afterwards general grey cloudiness more or less all day, little sun-gleam, and a breeze at NNW & N. Clear eveng rosy sun-set, scuds coppery passed off. –	E 1. NW 2. N 3.	61	65	65
Friday, August 11.	·35 ·39 ·40	Clear morng much dew, a very bright and hot day, small cumuli clouds, Golden sun-set, some mottled cirrostrati – calm and brilliant evening & night.	NW 1. NNE 0. NE 0. & 1.	50	63	73
Saturday, August 12.	·39 ·40 ·41	Salmon sun-rise, horizontal bands of cirrostratus, tinged flame colour. – A fine & very hot day, chiefly sun, with cirro-cumuli & cumuli clouds, the wind calm, a bright orange sun-set.	NW 0. NE 0. NE 0.	50	69	78
Sunday, August 13.	·41 ·40 ·33	Little fog early, cleared at 7, a very bright and splendid summer's day, and very hot sunshine, with very little wind. – Charming eveng, golden sun-set. linear haze in orange streaks. –	E 1. E 0. E 0.	51	67	75
Monday, August 14.	·26 ·20 ·18	Fog early, cleared after 7, a very bright and hot day, with cirrocumulus cloud, and a parching breeze. Splendid eveng, sun set in purest golden lustre. 9 pm Thermr 63° – quite clear.	E 1. E 1. E 1.	56	69	78

Day.	Barometer:	August 1843.	Point and force of Wind.	Thermometer lowest State early	9 a.m.	Highest State.
Tuesday, August 15. ☞	30·11 ·11 ·12	Salmon tinted ☉ rise – the East in golden glow, an Arc of black cloud in SW. with violent thunder till 9 am, extreme sultriness, cirrocumuli & sun here, very hot & close with mixed cloud & sun till noon – huge cumulostrati then met, and a violent storm till after 2 pm – torrents of rain & hail, terrific lightning in vast streams followed by the most detonating snapping crashes of Thunder. Continual thunder more or less distant from early morn – till 4½ pm – but again fine & sunny after 4 till ☉ set. – The storms all rose SSE & gliding against the lower current. Clear night, mist rising from the fields.	Var 0. NW 1. Var 0	60	73	80
Wednesday, August 16. 8 ☉ 4	·16 ·19 ·23	Sun rose red in haze, cirrocumuli in curdy trains, clearer after 9, a very sunny and extremely hot day, cumuli & cirrocumuli clouds. – Calm & oppressive eveng, sun set red in cirrostrati. 8 pm Thermr 70°, & at 9 pm 68°. – Cloudy at 10 – & most of the night. –	Var 0. SE 1. SE 1. & 0. –	59	73	83½
Thursday, August 17.	·25 ·27 ·26 ·29	Thick stratus till after 9 am, then cleared to brilliant sun, and extremely hot, some cumuli but constant sun till 3, at this time high towering rocky nimbi collected in the ENE, with vivid lightning & violent bursts of thunder, the same in N – & S – afterwards; Max Thermr 3 pm 84°. after 4 again bright with craggy cumulostrati. The thunder cloud rose against the lower current at 2 pm, – & became spent in the East. – Misty eveng – red ☉ set. Thr 69° 8 pm.	NW 0. & 1. Var 0. SE 1. SE 0.	61	70	84
Friday, August 18.	·28 ·26 ·24 ·21	Fog early – fell away at ☉ rise, the sun red through it. A very bright scorching morng, very brilliant & extremely hot day, some cirrocumuli in white raggy divisions. – By 11 am Thr 82° – at noon 83° – the wind then became brisker. Sun set in full splendour – purest orange twilight, – little dew. –	NE 0. E 1. E 3. & 2. E 1.	59	75	83
Saturday, August 19.	·08 ·01 29·98 ·93	Pure golden sun-rise, very bright & excessively hot without a cloud all day, & a parching breeze, the Thermr hourly as marked in column here. The great heat of this week is nearly equal to the same last year. Most delightful and splendid harvest weather. Thermr in sun 11 am 143°! Coppery sun set – & cirri rising in S – same colour with distant rocky clouds SSE – and lightning there at 9. 10 & 11 pm. Thermometer: 10 am 82; 11 – 84; 12 – 85; 1 pm 86; 2 pm 86; 4 pm 83; 6 pm 77; 8 pm 69.	E 1. E 2. E 3.	60½	79	86
Sunday, August 20.	·83 ·85 ·87 ·94	Rain at 2 AM – from long cirrostrato passing to NNW – sultry morng & grey clouds. A very hot and sultry day, dark raggy clouds & sun, at 3 pm became dark with blue sulphureous mist & violent thunder westward. A heavy shower with vivid lightning & loud thunder at 6 pm, Two very severe clasps. – Eveng fine but cloudy more or less. – A tree split & 5 sheep killed by the lightning near us. –	SE 1. SW 2. S 2. SW 2. WNW 2	63	70	79

Day.	Barometer.	AUGUST 1843.	Point and Force of Wind.	Thermometer Lowest State early.	9 AM.	Highest State.
Monday, August 21. △ ♀ ♂	30·12 ·10 ·06	Clear & sunny morning, and a very fine & pleasant Day, bright sun, & small cumuli. Wind veered back at 4 pm – & mottled cirrostrati with dark knotty divided clouds came on during the eveng – hazy – orange ☉ set. –	NW 2. WNW 2. SW 1.	52½	63	71
Tuesday, August 22.	29·88 ·72 ·67	Red ☉ rise, cirrostratus, cumuli & wind, dim sun, hazy with increasing cloud, rainy from 3 to 8½ pm. afterwards fine and clear night. –	S 2. S 3-4. S 2.	53	64	66
Wednesday. August 23.	·77 ·81 ·77 ·67	Bright & warm with cumuli till 3 pm then hazy & afterwards clouded with dark raggy cloud & little wet at 5. Thick haziness increasing with black fragments under it, & red west. –	SW 2. SW 1. S by E 0	52½	63	71
Thursday, August 24. ☍ ♀ ♃.	·71 ·75 ·96 30·02	Continual heavy rain from 1 AM all the morng – increasing from 2 to 4 –, and by 9 – the vales were flooded! at noon rain ceased – fine afternoon – scuds – cumuli & sun – serene eveng – gilded cirrostrati by settg sun. –	NNW 3. NW 3. NW 1.	57½	59	68
Friday, August 25. △ ☿ ♄	·05 ·03 ·06	Clear yellow East, fine serene morning; a fine and pleasant day, warm breeze cirrostrati, cumuli, cirrocumuli, and sun. New moon 2½ pm. Hot & close eveng, dark cirrostrati & white silky cirrostrati above them. 8½ pm Thr 67°!	SSE 1. S by W 2. S 1.	51½	63	73
Saturday, August 26. □ ☿ ♂	·09 ·12 ·22	Vivid lightning & distant Thunder at 2 3 & 4 AM – little rain, close & sultry forenoon, variety of electrical looking clouds in mixed beds, the curdy cirrocumuli & bands of cirrostrati with rocky groups, thunder in the E. bright afternoon cumuli & blue haze. Rosy sun set. clear starlight night.	S 1. SW 3 SW 1.	62½	67	74
Sunday, August 27.	·32 ·28 ·27 ·28	Clear sunny morng, heavy dew. A very fine, sunny, & hot day, with many cumuli & woolly cirrostrati spread over their crowns, rooks playful & dive much. Serene eveng, orange & lake ☉ set, some haze but no cloud.	SW 0. SW 1. S 0.	49	64	74
Monday, August 28.	·20 ·12 ·10	Cloudy with mottled cirrostrati, became bright after 8, sunny & hot with cirrocumuli till after 10 am. then hazy with cirrostrati & wind. A little wet at 5 & 6 pm. afterwards cloudy & increased sultriness. Thermr rising at 7 pm – 67° & so continued till dark. falling but little afterwards.	SSE 1. S 3. S 2.	53	68	73
Tuesday, August 29.	·11 ·15 ·17 ·21	Sultry with mixed clouds, and cirrocumuli above, sun gleaming at times & hot breezes from SW & WSW. – More sun at 12½ to 1½ pm. – Hot afternoon with mixed forms of cloud. After 4 pm – a dense cumulostratus brought on a very heavy shower of short duration, followed by another at 6. of longer continuance. Close & sultry eveng, calm with dark knotty clouds. – Thr 67° at 8 pm.	SW 2. SW 2. WSW 0.	63½	70	76
Wednesday August 30. * ♂ ♃.	30·29 ·31 ·34	Very gloomy with general undulated cloud all the morng, sun gleamed at noon, close and sultry atmosphere. Loose cumuli, cirrostrati & sun during afternoon. – Cloudy and very close evening. –	NE 1. E 1. E 1.	58	65	70
Thursday. August 31.	·38 ·39 ·41	Sun rose salmon tinted, clouds followed chiefly thin grey cumuli, which continued till after 3 pm with gleams of sun, close and sultry. Cleared at 4 pm – bright evening. Sun set orange tinted in haze & cirri partially collapsed. – Thermr 64° 8 pm Clear night some Meteors fell to the South of zenith. –	SE 0. SE 0 SSE 0	56	64	72

Results for August 1843. —

Barometer. —		Thermometer.	
Highest on 12. 13. & 31st	30·41	Highest on 19th	86°
Lowest on 4. 22. & 23rd	29·67	Lowest on 7th	48½°.
Range	0·74	Range	37½
Mean of the month	30·1148.	Mean of month	65°·1532

Prevailing winds SW – E. & W. but much divided. – Fine days 24. Rain 4·45 In, and Evaporation 4·86 In. —

This month was a very remarkable one for violent & almost unprecedented storms of thunder lightning & hail, with flooding torrents, yet the main tone of atmosphere was for dryness & heat, there being 24 fine days – or 7 only whereon rain fell during day, although a depth of 4·45 Inches was taken for the month. 2 of which fell on 24th! We had many extremely hot sultry days – but no such extreme as last year. – The Corn crops are mostly secured here & some in good state, but although bulky – the quality is injured by the under corn or prostrate & twisted part of the crop. — Considerable sickness during the month, chiefly disorders of the digestive organs – stomach & abdominal Viscera. The Storms on the 9th were awful & of great extent over the Midland & Eastern Counties – Cambridge & Norwich were literally smashed & deluged by hail & rain, the like never known before there. — On 15th the thunder was surpassing any we ever heard in violence; – some hail also then doing much Damage in some places. —

Day.	Barometer.	September 1843.	Point and Force of Wind.	Thermometer Lowest State early	9 AM.	Highest State.
Friday, Sept.r 1st.	30·43 ·47 ·49	Very close, calm & hot morng, thin haziness & cirrocumuli. — A very fine, sunny and extremely hot day, cumuli clouds & calm atmosphere. — Sun set flame-tinted in haze. — Th. then 70° and at 8 pm 67°. — Foggy night.	SW 0 W 0 W 0	57	71	80
Saturday, Sept.r 2nd.	·51 ·50 ·49 ·50	Thick fog till 9 — cleared at 10, a fine bright & very hot day, some cumuli clouds. — Light breeze pm. — Evening calm & close, partly clear, & very delightful. Beautiful weather. —	W 0 NW 1 W 1	55	65	78
Sunday, Sept.r 3rd.	·45 ·40 ·34	Hot morng, ruddy sun-rise, thin haze & cirriform vapour. Bright with cumuli & cirri till 1 pm, afterwards more cloudy with general bed of grey mottled haze, extremely hot & sultry, but more breezy P.M. — Beautiful sun-set scenery — streaks of cirrostratus in grained bands golden & rose tints upon green sky. — 8 pm Therm.r 69°. — Warm breeze all night.	SW 0 W 1 W 2	60	72	81
Monday, Sept.r 4.	·40 ·45 ·50	At 4 am very close, dark low cirrostrati & warm breeze, a change by 5 am — less cloud & cooler breeze, a fine sunny day — cumuli clouds & brisk wind. Very clear eveng, golden sun-set, & less wind. —	NW 2 NW 3 N 1	59	62	69
Tuesday, Sept.r 5.	·53 ·52 ·49	Fine morng, grey clouds & sun, a very fine sunny day with fleecy cumuli and light wind. Very brilliant orange sun-set, and clear night. calm, and stars bright.	N 2 NW 2 NW 0	48	61	69½
Wednesday Sept.r 6.	·43 ·44 ·41 ·43	Bright morng — a train of cirrocumuli passing to East at 7 & 8 am; a very bright, and hot day, no cloud, and nearly calm. — Sun set flame-coloured in cirri clouds. Therm.r then 68°. — Very clear night — moon lovely in her lustre. —	W 0 WNW 0 ESE 0 & 1.	51	63	76
Thursday, Sept.r 7.	·46 ·47 ·48	Fog below — sun rose red — became very bright & hot morng, the day excessively so — & no cloud but cirrocumuli. Enchanting sun set — full golden lustre, and bands of speckled cirrostratus tinged flame colour & rosy tints. — Therm.r 65 — 8 pm. — Low clouds with breeze after 8 pm. —	ESE 0 SE 1 SE 0	54	70	81
Friday, Sept.r 8.	·49 ·46 ·43	Fog till near 10, cloudy till near 12 — then bright and very hot, but less so than yesterday; grey cirrostrati during eveng & breeze at East. Full moon — at 7 pm. Hot night. —	SE 1 ESE 2 E 2	60	66	78
Saturday, Sept.r 9. This has been a lovely time from the opening of September & very hot. —	·40 ·34 ·33 ·33	Dry morng — hot breeze, cloudy at first cleared at 8 —, a very sunny & extreme hot day, some cumuli; & white collapsed cirri in SW. — Golden ☉ set. — Evening beautiful beyond description — dead calm, purest moonlight, and cloudless arc of sky. Also warm — Th. 63° at 8½ pm — 62° at 9 — and 61° at 10 pm. —	E 2 ESE 2 E 1 E 0	61½	71	81

Day.	Barometer.	September 1843.	Point and Force of Wind.	Thermometer Lowest State Early.	9 AM	Highest State
Sunday, Sept.r 10. N.B. remarkably hot weather for 10 days past. — The storm to day almost deluged the town of Ipswich.	30·23 ·19 ·20 ·17 ·15 ·15	Foggy early till after 7 — afterwards cleared — & very white knotty cumuli, & cirrocumuli in flocks glided from SSE, some of the cumuli crossed by undulating streaks. — Became bright & extremely hot — continued clear till noon — gradually thickened in S & SE, and became exceedingly black there by ¼ past 1 — and oppressive sultriness, no wind, but chiefly E 0. — Thunder near at 1½ pm — The great blackness suddenly reddened & a gale came on driving up the cloud quickly at ¼ to 2 pm — an awful scene — a red sky — dust whirling up — red & purple lightning — & cont.d thunder. — A torrent of rain & some hail for above ½ an hour — incessant lightning and snapping detonating thunder — extremely awful, and the same coloured flashes as at first. — Storm over at 2½ pm — but thundering distant & cloudy till 4, then clearer — & mixed electrical clouds & sun. — Therm.r fell before the storm from 79° to 73° — & during storm to 67°. — Fine eveng — 8 pm Therm.r 65°. — Hazy night — moon partially shining. —	E 0 E 0 E 0 SSE 4 S by W 2 SSE 1 SE 1	56	70	79
Monday, Sept.r 11.	·13 ·16 ·22 ·30	Arcs of cirro-cumuli & cirrostrati, mixed electric clouds all the morng & very close — near the same all day & trifling showers — sun bright at times after 2 pm. — Rocky cumulostrati, & broken clouds in two currents — SE & NE. — Calm eveng — clears in E & NE. — At 8 pm Th. 64½ moon & stars bright. — Low fogs drew on during night. — Very close. —	SSE 1 SE 1 E ½	60	67	71
Tuesday, Sept.r 12.	·40 ·41 ·41 ·43	Close & very foggy morng — slowly cleared by 11 am. gradually clearer as noon passed — and after 3 pm — quite cloudless — very clear sky & so continued. Pure golden sun-set, and light breeze at ENE. — Very clear night. —	NE 1 ENE 2 ENE 2	61	66	73
Wednesday, Sept.r 13.	·35 ·30 ·21	Clear morng sky — pure orange ☉ rise, and a very clear day, no cloud, but less hot on account of the brisk breeze. Brilliant orange ☉ set, no cloud. & w.d less. — Clear night, some meteors fell in SSW. —	E 2 E 3 E 1	53	64	70
Thursday Sept.r 14. △☉♄	·09 ·08 ·11 ·10 ·09	Lovely morng, much curdy cirrocumulus upon the finest blue sky, close air. A sunny day, flocks of cirrocumulus beautifully dotting the sky — very fine & very hot. Therm.r 77° for some time about 1 o clock — & the chf of the aft.n 74½. — Eveng hazy with mottled cirrostrati. — A few drops at 9 pm, & Therm.r 64°. —	E 0 SE 2 ESE 1	54	67	77
Friday, Sept.r 15.	·03 ·06 ·09 ·13 ·15	Bright with much curdy cirro-cumuli from SE — & white haze, with cirri, a halo at 10 am; very fine & very hot day, less hazy pm cirrus in locks — & others spongy, — sun very scorching — orange sunset — cirro-cumuli in flocks as usual in hot weather. — Lovely night, clear star-light, calm & hot, Therm at 8 pm 65°. — & at 9 pm 63½°. —	ESE 1 SE 2 SE 1	59	69	76½
Saturday, Sept.r 16. △♀♄ This is decided by the hottest Sept.r on record.	·22 ·22 ·23 ·25 ·28	Salmon tints sun-rise, clear above, mist below —, soon became quite clear & excessively hot, cirrocumuli followed at 10 —, and at 11 — Th. 77° — at noon 81½, at 2 pm 84°, and 85 soon after, & not under 80 till after 3 pm. — In sun at noon 124°. — Very clear from 10 am — all day. & chiefly but little wind — at times none. This is the hottest ever recorded by me so late in the season! — 5 pm Therm.r 76° —, at 6 — 71°, and at 9 pm 64°. — Clear & lovely night, no wind. Several meteors passing to S — ward. —	SE 1 SE 0 SE 0 & 1.	55	73	85

Day	Barometer	September 1843	Point and force of wind	Thermometer: Lowest State early	9 am	Highest State
Sunday, Septr 17. ☞ △☿4 (little lightning night)	30.32 .33 .33 .34	Splendid deep orange ☉ rise, very bright morng — excessive hot & no wind, nor a cloud to be seen, at 10 am Th. 76½ — at noon 81°, & for near 2 hours it stood 84° from 1 to 4 pm! And in sun at 11 am 133°! — Perfectly bright all day but on SW horizon some cumuli after 3, & a thin white cirrostratus at 4. Therm then down to 81°: at 6 – 73½, at 8 – 67°, & at 9 – 66°! — Very close night, rather hazy. The sun set behind cirrostrati & ragged rocks of dusky cloud.	Var 0. SE 0. SE 1. (& 2) SE 0.	55	72	84
Monday, Septr 18. □♂♅ A large Meteor fell SW 9½ pm.	.31 .30 .31 .33	Dappled sky & serrated cirrostrati with rosy sky & very sultry morng; — chiefly bright, and excessive hot with silky striped cirrostrati. During afternoon some cumuli & mixed electric clouds. Sun set in cirrostrati bars, rosy tinge over the whole sky. Therm at 6 pm only down to 74° & at 8 pm 68°! — Little haze & cirrostrati in NW — in mottled stripes.	S 1. S 1. S 0. Var 0.	62	72	84
Tuesday, Septr 19. □☿♄	.38 .37 .36 .38	Fog early & till after 8 am, drawing off slowly to WNW forming a dark cloud in that quarter at 10½ am — two distant claps of thunder heard there — no wind — very sultry, & a mixed sheet of electric cloud hung over us — hiding the sun till 2 pm, while the S & E were clear blue. The clouds passed to North — very slowly against the lower current which now came on, & sun shone but after 3 again a mixed cloudiness more or less till 6. Sun set yellow among parallel gilded cirrostrati. 8 pm 64°. — Night clear above, foggy below to Eastward.	E 1. Var 0. N 1. E 1 & 0.	60	70	76
Wednesday, Septr 20.	.30 .27 .26 .28	Fog below & curdy cirrocumuli above, very hot & no wind; beautiful sheet of lumpy cirrocumuli all the forenoon, sun gleaming through & no wind — afternoon quite clear excessive hot the sun scorching even like perfect summer, very little wind now & then. At 4 pm down to 76° — and in sun at 2½ pm 125°. Sun set in fullest splendor — deep orange & neither cloud nor haze.	E 0. SE 0. (½) SE 0.	54	68	81
Thursday, Septr 21.	.28 .35 .40	Clear sun rise, abundance of small cirri from NW, till 10 — a fine sunny day & very hot — strong smelly blue haze below — cumuli & little breeze, large & dark cumuli after 4 & till 5 pm. Sun set in cirrostrati, cirri above from NE. Clouded over after 7, close eveng, no wind.	NW 1. NW 2. Var 0.	52	64	76
Friday, Septr 22.	.53 .58 .62	Morng clear above, fog below, a very fine sunny day but less hot, loose cumuli more or less but fewer towards eveng. — Sun set in full lustre, strong orange twilight, very little wind, stars brilliant, a few clouds Eastward, cooler than of late.	NE 1. NE 2 NE ½.	52	64	71
Saturday, Septr 23. New Moon 11 pm.	.67 .65 .67	Grey cloudiness all the morng & till noon then became bright with loose cumuli which wore away until at 2 pm it was quite clear, nearly so the rest of the day, few scuds & brisk wind moderating the heat more than for some weeks past. Sun set yellow among scuddy cirrostrati, cloudy evening.	NE 1. NE 2. NE 2.	53½	61	70

Exit of a splendid protracted Summer, Autumnal Equinox, day & night equal. —

Day	Barometer	September 1843	Point and force of Wind	Thermometer: Lowest State early	9 am	Highest State
Sunday, Septr 24.	30.62 .57 .52	Cloudy morning but warm & without dew. After 8 am — increased cloudiness & less warm. At noon overcast & gloomy with dense blue raw smelly haze over the whole landscape — & very chilly compared with recent heat. — Therm 58° only at 2 & 3 pm — clearer at 4 & 5. Th 61° — afterwards cloudy evening.	NW 1. WNW 2. NW 2.	58	61	61
Monday, Septr 25. 8♄☉	.37 .35 .34 .32	Cirrostrati & plumose cirrus with scuds & cool breeze, rain commenced 11 am, and chiefly gentle rain till near 4 pm, — afterwds clearer & fine, but cold, Therm down to 50° at 6 pm, a ribbed arc of cloud from the NNW to opposite point — barred white cirrostratus, and many plumose cirri tinged coppery. — 8 pm Therm 48½.	NW 2. N by W 2. & 1. N 1. NW 2.	53½	60	60
Tuesday, Septr 26.	.23 .17 .12	Stormy, windy, flying clouds & little wet at times; after 8 — mostly fine, but windy & cool, with cumuli, scuds, mixed clouds and sun at times. Orange sun set, & clear except cirrostrati, very keen & clear evening, 8 pm Therm 47°.	NNW 3. NNW 4 NW 2.	46½	50	58
Wednesday, Septr 27.	29.87 .83 .82	Chiefly clouded with arcs of cirrostratus, in mottled lines from West to East. Great fall of Barom & Therm. The sky cleared at 10 am then chiefly sun & cumuli till 1 pm, afterwds more cloudy with dark nimbi distant & a stormy sky, but fine here. — After 4 pm some flying showers, — eveng clear. Th 45½ — 8 pm.	WNW 3 NW 3. NW 3.	43	49	58
Thursday, Septr 28.	.82 .86 .92	Cold morng, low flying clouds & boisterous wind — with sun, cumuli, cumulostrati & sun during the day, and at times flying showers of hail & rain. A very remarkable change in the weather in a few days from excess of heat to wintry storms! — Clouded eveng with mottled cirrostrati, followed by showery rain from 9 till 11 pm. Th 48 & 48.	NW 4. NW 4. NW 4	39	50	57½
Friday, Septr 29.	30.04 .10 .12	Low clouds & sun, during the morng, a fine and sunny day, more pleasant & less wind, cumuli, cumulostrati & woolly cirri passing. The sun set in linear haze, followed by cloudy night. — 8 pm Th 47°. —	NW 3. NW 1. W 1.	40	48	59
Saturday, Septr 30.	29.91 .93 30.05	Much warmer again, low clouds, & very thick mizzle till 1 pm, afterwards fine and close, dark cumuli, cirrocumuli, & little sun. Very close eveng, & cloudy. Great return of heat again. 8 pm 58°!	SW 3. W 2. W 2.	47	56	63

Results for September 1843. —

Barometer

Highest on 23rd = 30.67!
Lowest on 27 & 28th = 29.82
Range = 0.85
Mean of Month 30.31 !!

Thermometer

Highest on 16th = 85°!
Lowest on 28th morng 39.
Range = 46
Mean of Month = 63°.375 !!

Prevailing winds NW & SE, Fine days 23, Rain 1.18 In. and the Evaporation 3.83 Inches.

Conclusive report for the Splendid month — September 1843. —

Up to the evening of the 23rd exactly as Summer Quarter ended, was a constant succession of brightest sun, & excessive heat, beyond any on record at this season. in its continued and uninterrupted excess! — The great calmness accompanying it caused so great a rarefaction of the lower Stratum as to bring on a sudden rising of the said nether atmosphere, whereby the North breeze rushed into the vacuum & produced a marked change to temporary chill. until on the 30th a cross breeze SW. again outdid it with a return of warmth. —

October 1843.

Day.	Barometer.		Point and force of wind.	Thermometer lowest state early	8 am	Highest state.
Sunday, Octr. 1st.	30·10 ·14 ·13	Cloudy, close & sultry morning; a beautiful summer-like day, white curdy cirrocumuli in flocks & thin scuds below, with sun & very sultry heat. Eveng partly clear with warm breeze & bright moon, 6pm 64 & at 8 - 62! —	W 2. W 3. WSW 3.	58	63	71
Monday, Octr. 2.	·12 ·18 ·24	Cloudy and sultry morng. but after 9, a hasty storm of rain from WNW dropped the Thr to 57°. Afterwards fine and warm sun bright at times, with cumuli & woolly white cirrostrati. Clear eveng, deep orange sun-set. 8pm bright moon & grained cirrostratus. —	WSW 2. WNW 3. WNW 3.	59	63	65
Tuesday, Octr. 3.	·27 ·29 ·27 ·23	Clear morning. but became hazy, a fine & very warm day, but hazy & many cirrostrati & cumuli, sun at times. After 3 a blue haze over the landscape smelling strong as usual. Cloudy & close eveng. trifling rain very light. 8pm 60°. —	W 1. WSW 2. SW 2.	47	54	65½
Wednesday Octr. 4. □♀♂	·23 ·27 ·29	Cloudy & close, a fine and pleasant day but chiefly cloudy, and hot, sun at times gleaming. — Cloudy & close evening. Thr 62 at 8pm. Very fine autumnal weather. —	W 1. W 2. W 1.	58	63	68
Thursday, Octr. 5. □☉♂	·25 ·20 ·16	Calm morng, with general blue & grey cloudiness. which glided off slowly until at 11am it became bright & very warm with fleecy cumuli all the afternoon. Eveng again more cloudy. moon gleaming between curdy grey clouds. — Calm & warm Thr 8pm 60°. — At 10pm quite clear & moon bright. —	W 0. NW 1. NW 0	52	58	67
Friday, Octr. 6.	29·94 ·87 ·85 ·81	Cloudy and sultry morng. very warm day hazy with flying clouds but fine till 2pm. Foggy at 8am for a while. After 2pm some rain in scattering drops for a short time, cloudy, windy & very warm, Thermr not lower than 63 at any time of the afternoon. Black raggy nimbi with flying shower 6pm. Cirri, haze, & cirrocumuli & moon dim. 8pm, 8pm 62. but very warm.	SSE 2. SW 3. SW 3.	56	62	65
Saturday Octr. 7.	·68 ·71 ·75 ·72	Clear warm morng, pale sky with cirri in many forms. — Windy, sunny & very warm day with flying cumuli, drying and pleasant, but some distant showers. — Rain after 8pm. and at times during the night. Remarkably warm weather continues.	WSW 3. WSW 5. SW 2.	57	61	67½

October 1843.

Day.	Barometer.		Point and Force of wind.	Thermometer lowest state early	8 am	Highest state.
Sunday, Octr. 8.	29·41 ·55 ·70 ·80	At 3 AM. a sudden storm of rain with violent gale, continued half an hour. then as suddenly ceased. — very squally morng. gales & hasty showers. sun at times. Full moon 11am an exceeding heavy beating storm of rain & wind from 10½ till 11 am. & a less one at noon. the afternoon fair with cumuli, mixed cloud, and sun. The thermr highest at 9½ AM. & at no time after higher then 59°. — Hazy night. —	WSW 7. W 5. W 4. W 1.	55	62½	64
Monday Octr. 9. △♀♃.	·55 ·61 ·77	Overcast and very hard rain all the morng from before 3 AM. — Finer afternoon, little sun, and mixed cloud. — Again showery at 5pm, and the evening unsettled, but night clearer & fine.	NE 3. NW 2. W 2.	46	46	53½
Tuesday, Octr. 10.	30·04 29·95 ·85	Fog early, became bright after 8, and a fine pleasant day, mixed clouds & sun, more cloudy after 1pm, & shews for more rain. Evening very hazy & dark cumuli in lower stratum. Cloudy night. —	W 1. WSW 2. SW 1.	43	45	57
Wednesday, Octr. 11.	·34 ·28 ·26	Overcast & heavy rain till 8am, afterwards chiefly fine, but cloudy with low clouds, & a few drops, some electric upper clouds, and little sun. Cloudy and warm evening, and night. —	SE 1. SW 4. SW 2.	47	52	62
Thursday Octr. 12.	·14 ·43 ·63	Clear drying morng. & high wind. became overcast after 10 - with beating rain, and hard gales, exceedingly stormy. finer after 3pm, little sun & less wind. Night clear and chilly, some meteors.	WSW 7. W 7. NW 5.	44	46	50
Friday. Octr. 13.	·70 ·77 ·75	Clear & frosty morng, very bright day, with small cumuli & cold breeze. — At 2pm some larger clouds rocky & dark about the West, apparently distant hail-storms. — Afterwards more cloudy.	NW 3. WNW 3. SW 3.	35	37	50
Saturday Octr. 14.	·78 ·85 ·92	Clear, frosty morng, bright sun & cumuli in the day. very fine & cheering. Clear starlight eveng, & cold, 8pm Thr 39°. Very white hoar frost during night. —	NW 3. NW 3. NW ½.	35	37	52
Sunday, Octr. 15.	·83 ·80 ·80	Clear, calm, & very white hoar-frost, ice as thick as a penny. — Bright, still, and pleasant day, some cirri in various forms & distant rocky clouds NE & E. — Clear & frosty eveng & night, 8pm Thr 36½.	NW 0. NW 1. NW 0.	32½	36	52
Monday, Octr. 16.	·76 ·75 ·77	Hoar frost, grey clouds at 7, clearer again after. a very clear and cold day, few small cumuli & brisk wind. Clear coppery sun set, & bright star-light eveng, at 8pm Thermr 34°. sharp frost. —	NW 1. NW 3. SW 0.	33	34	47
Tuesday, Octr. 17. ☌♂♄.	·43 ·37 ·40 ·44	Change early to wind & rain from Mars & Saturn in Conjunction, became finer with sun by 11am; fine sunny afternoon with rocky cumuli clouds; evening clouded and more mild than several past. — Changeable weather. — Poplar leaves much fallen. —	SSE 4. SW 3. SW 1. & 2.	32	42	49

Day	Barometer	October 1843.	Point and Force of Wind	Thermometer Lowest State early	8 am	Highest State
Wednesday, Octr. 18.	29.80 .90 30.03 .19	Hard beating storms of rain - early AM with a gale at NW. - Became fine & clear as day opened - but galy and very cold, cumuli & scuds flying. Clear & frosty evening and night.	NW 6. NW 6. NW 2.	36	40	48½
Thursday, Octr. 19.	.35 .37 .44 .47	Clear & hoar frost, brilliant & warm day, some cumuli and cirrostrati about. At 1 pm large cumulostrati passed near to South from E to W, quite calm at the time. Fine evening, stars bright.	NW 1. NW 1. NW 0.	33	38	53
Friday. Octr. 20.	.39 .30 .26	Clear morning, sharp hoar frost, a very sunny & pleasant day, cirri & cirrostrati. More hazy with distinct dark cirrostrati after 4 pm. The cirri were all across each other - apparently two strata of them in many forms. - Hazy & cloudy evening, milder & signs of rain.	SW 0. WSW 3. SW 2.	31	33	53
Saturday, Octr. 21.	29.98 30.01 .11	Heavy rain at 4 & 5 am, & more or less rainy till noon, afterwards fine with dark clouds & turbid sky. - Cloudy & close evening, some wet at times, a portion of open sky in SW at 5 pm.	SSE 3. WSW 2. WSW 1.	41	45	52
Sunday, Octr. 22.	.22 .13 .11	Bright morning, much cirrus & cirrocumulus in many forms. - A fine sunny & pleasant day, cirri & cirrocumuli in vast beds - and about noon a strong blue haze over the landscape for ½ an hour. Rosy sunset & mottled cirrostrati. Heavy rain & wind - 9 & 10 pm.	SW 1. SW 2. SW 3.	38	41	56
Monday, Octr. 23.	.04 .07 .14 .13	Clear morning, pale sky & windy. New moon 7½ AM. - A fine sunny day warm but windy with cirri cirrostrati, & cumuli clouds. Rosy cirrostrati about NW & W at ☉ set. Cloudy & very mild evening. 8 pm 50°.	W 3. W 4. W 3.	47½	48	59
Tuesday, Octr. 24.	29.95 .85 .70	Ripple sky, & scuds with sun, very red morning, & windy. - A fine & very warm day, but windy with cirri, cumuli & scuds, sun at times; dark clouds & galy during evening.	WSW 4. WSW 4. SW 4.	47	52	60
Wednesday, Octr. 25.	.56 .55 .53	Overcast & rainy morning till 8, afterwards clear, & bright day with cumuli and scuds, beds of cirri running in a higher current from SW, while large cumuli were gliding below from NE. - Evening in part clear. 8 pm 40°.	NE 1. NE 0. NE 0.	44	45	53
Thursday, Octr. 26.	.58 .63 .73	Morning chiefly clear & hoar frost, haze below, a very bright & fine day, cirri & rocky cumuli about. - Serene evening, salmon twilight. 8 pm Thr 39° stars in part brilliant.	NW 0. WNW 1. NW 0.	33	34	51
Friday, Octr. 27.	.82 .82 .67	Very clear golden sun-rise, hoar frost, fine & lovely day, very bright, with small scuds. Became hazy at 4, and sun set in thick haze. Cloudy & windy evening. Stormy night.	SW 1. SW 2. SSE 3.	34	35	51

Day	Barometer	October 1843.	Point and Force of Wind.	Thermometer Lowest State early	8 am	Highest State
Saturday, Octr. 28.	29.17 .20 .30 .40	Exceedingly stormy - hard gale, & rain, since midnight. more fine as day drew on. Scuds, sun, & squalls of wind. A sunny day, with flying cumuli & hard gale. Distant nimbi in North at 2 pm - looking like hail there, & still blowing hard, but fine here. Clear brazen sun set, and coppery clouds in East. - At ¼ to 6 pm a vast Meteor fell in the North apparently as large as the Moon. - Clear and windy night. Wind abated during night.	SSE 7. SSW 6. SW 6. SW 5. 4. 3. 2.	43	49	50
Sunday, Octr. 29	.73 .76 .79	Calm then grey clouds & serene morning, chiefly sunny before 9. - More cloudy at 10 - afterwards a most lovely day, bright sun, cirri, & cirrocumuli. Distant church bells more than usually audible. - Lark soaring, & gnats playful. Cirrocumuli & mottled cirrostrati during evening. moon bright & quite calm. - A very beautiful day and night.	SE 0. SSE 1. SSE 2. Var 0.	36	39	52
Monday, Octr. 30.	.63 .55 .42	Close & little wet 8 am, afterwards fine & warm, mottled cirro-strati & sun; After noon more clouded with low clouds & little wet at times, rain increased at 4, and the evening stormy and still warmer than the day, Therm 57° - 7 pm, and near midnight at 60°! So warm at this season by night is very remarkable. - The West clear, but cloudy elsewhere.	SE 2. SE 2. SSE 3.	38	51	60
Tuesday, Octr. 31.	.54 .58 .60 .56 .50	Close morning, extremely warm & damp. Therm chief of the night about 60° and now from 55 to 57 - but after 9 became lower, overcast and rain at times. - At noon the Therm only 49° - but chiefly 50° all the afternoon with continual rain more or less heavy. - clouds from NE - the wind variable & calm. - Continued hard rain all the evening & more wind.	SE 0. Var. 0. (chiefly E & NE) NE 3.	55	57	57

Results for October 1843.

Barometer.		Thermometer.	
Highest on 19th	30.47	Highest on the 1st	71°
Lowest on 12th	29.14	Lowest on 20th morning	31°
Range	1.33	Range	40°
Mean of Month	29.8385	Mean of Month	50°.1129

Prevailing winds Westerly, depth of Rain 4.98 Inches. Evaporation 1.64 Inches, and the number of fine days 20, most of the wet being by night.

This month was very warm at the beginning, but after the 7th day very unsettled, with frequent rains, and several frosty nights. The rain was quite suitable for softening the soil for Wheat seed - after the heat & drought of the month of September. The trees shed their foliage slowly this season, poplars alone have indeed dropped any leaves, for even the Ash remains clad.

Day.	Barometer.	November 1843.	Point and force of wind.	Thermometer Lowest State early	8 am	Highest State.
Wednesday, Novr 1st.	29.73 -83 -91	Overcast and damp, but fine morng. the vales inundated to a greater extent than for 15 years past. — The day chiefly overcast with misling rain at times. — 8 pm moon & stars seen, curdy sheet of upper cloud gliding from SW. The lower vapour dispersed.	NW 0. NE 1. Var. 0.	44½	45	49
Thursday, Novr 2nd.	-95 -92 -92	Thick white fog till 9 am, then clearer, but cloudy with much cirrostratus & low cloud, finer after 1 pm. cirrocumuli & some sun at times, evening cloudy & mild, with a rosy redness at sun set. — The trees which have retained their foliage longer than usual, now shew a rapid change, shedding their leaves fast, & their tints alter much. —	Var. 0. NW 1. NE 0.	41½	44	53
Friday, Novr 3rd.	-80 -82 -83	Overcast & very mild, with little wet during morng. but thick misling at 10. fine afternoon, some sun, white mottled cirrostrati and very mild. Sun set bright & orange tinted. — Hazy & mild night, lunar halo.	SE 1. SW 2. S 1.	46½	54	54
Saturday, Novr 4.	-75 -84 -94	Cloudy & red East, little wet, became fine with mixed clouds & sun soon after 9, and a lovely, warm, sunny day. Calm with cirrocumuli & cirri. At 8 pm dappled sky & the moon bright, mild & still calm, the clouds moving from S, but the lower Wd chiefly WNW.	S 1. Var. 0. W 0. Var. 0.	48	54	58
Sunday, Novr 5.	30.10 -09 -13	Overcast and rainy more or less till after 3 pm, then finer but chiefly obscure and very mild and damp — although a NE wind. — Remarkably calm & warm for a NE wd. yet exceedingly dark & wet. All the trees now shedding their leaves fast. A breeze during night.	NE 0. NE 1. NE 0.	43	48	50
Monday, Novr 6.	-10 -05 -08	A very red morng, streaky haziness & some wind, rain from 9½ am, more or less till after 3 pm, finer eveng, red clouds at sun set. Moon at times bright, but a halo & haze at 9 pm.	S 3. SW 3. SW 1.	42	45	52
Tuesday, Novr 7.	29.74 -72 -79 -88	Overcast, galy & beating rain: Full moon 5 am; Heavy stormy rain till noon, afterwards fair and bright, and a very fine, clear & calm eveng, moon very brilliant. 8 pm Thr 44°. by N. Thr.	SSW 5. SW 5. WNW 3. 2. 1. & 0.	46	53	56
Wednesday, Novr 8.	-70 -64 -76	Morng cold & chiefly clear, a sunny forenoon with rosy cumuli & wind. — Black nimbi in SW. 1 pm stormy atmosphere & less fine. — Another dark snowy looking nimbus in SW at 3 pm, afterwards clear & very cold. 8 pm Therm 36° by Night Thermr.	WSW 1. WNW 4. NW 4.	38	40	49
Thursday, Novr 9.	-98 30.00 29.94	Very clear and hard frost, very cold blowing wd. Quite clear the chief of the day but very cold and some cirri in many forms after 3 pm. Hazy collapsed cirri & some Aurora Borealis during eveng. 8 pm 32° by Night Thermomr. — & not lower all night.	NW 4. NW 3. NW 0.	31	32	41
Friday, Novr 10.	-68 -74 -87	Hazy & much cirrostratus. Chiefly cloudy all day, blue & grey vapour, and a cold breeze. — Eveng clearer but somewhat hazy. 8 pm N Thermr 39°. — The roads quite clean again these 2 days.	SE 1. SE 2. SE 1.	32	40	45

Day.	Barometer.	November 1843.	Point and Force of Wind.	Thermomr. Lowest State early	8 am	Highest State.
Saturday, Novr 11.	30.13 -20 -28	Morning calm & pleasant with grey clouds and rosy East, became bright, and a very fine lovely day, chiefly sun with cirrocumuli & lofty cirrostrati. Bright yellow sun-set, after which clouds came over in a thick sheet from ESE, little sleety rain at 8, then again clearer. 10 pm quite clear. Therm 39° at 8 — pm.	E 0. ESE 1. E 1. E 0.	36	40	47
Sunday, Novr 12.	-31 -30 -30	Little snow or sleet early, dissolving at day light, clear & keen morng, little frost. — A fine sunny day with lead coloured cumuli & coppery edges to some, very little wind. — Orange ☉ set, & coppery cirrostrati. 8 pm Stars bright, Thermr 37°.	NE 0. E 1. E 0.	34	36	46½
Monday, Novr 13.	-30 -34 -37	Grey morng, some haze & frost, lovely day chiefly sun with light grey cirrostrati, and some haziness. — Calm evening, & frosty night, a few hazy clouds, but the stars chiefly bright & no wind. 8 pm Thr 34°.	NE 0. E 0. E 0.	31	34	45
Tuesday, Novr 14.	-28 -23 -28	Thick haze which increased but fine until noon. Exceedingly thick & dark with gentle rain at times during afternn. — Fine eveng, stars visible above, foggy below, and distant bells audible even against the wind. 8 pm Night Therm 36°. —	SSE 0. W 1. W 1. NW 0.	33½	37	40
Wednesday Novr 15.	-33 -29 -23 -14	Freezing atmosphere, very foggy, but the sun just perceptible at times. The fog congealing on the trees & shrubs, but no frost on the ground. Icicles on the roofs till noon. Foggy afternoon & evening, but less frosty. 8 pm Night Thr 35°. — but at 10 pm 43° with showery rain & little more wind.	NW 0. NW 2. W 2.	31	32	38 to 43
Thursday, Novr 16.	-03 -06 -13 -14	Clear at times with sleety showers early, fine sunny forenoon, showery afternoon, cumuli, cirrostrati, nimbi, & sun at times. — Fine clear evening, little hazy. 8 pm Thermr 37°. —	NW 1. NW 1. NW 0.	34	40	49½
Friday, Novr 17.	-02 29.92 -78	Hoar frost, and beautiful streaked sky, tints of rose & gold in horizontal lines across the ESE. 8 am. — Fine forenoon, sun at times, thick & hazy afternoon, more wind & undulated cirrostrati. Overcast evening, wind boisterous, with rain. Therr max 10 pm. —	Var. 0. SW 1. SSW 2. S 4.	32	35	47
Saturday Novr 18.	-68 -66 -67	Cirri in plumose forms with cirrostrati & sun, became very fine, pleasant and bright sun all day with loose cumuli, and towards eveng cirrostrati in undulating lines. Much vivid lightning in S, SE & E during eveng, dark hazy clouds & stars between; 8 pm Night Therm 40°. — some meteors.	S 1. SW 1. SSW 1.	41	41	50
Sunday, Novr 19.	-77 -90 -95	Clear morng, little hoar frost, deep orange sun-rise; very bright day, pleasant and drying, no cloud except a few cirri at a great distance in N, SW, & some elsewhere. — Sun set in linear haze. — A little wind & stars dim 8 pm. Thr had been 39° but now 40°. — Afterwards a stormy night & milder. —	WSW 1. W 2. SW 2.	34	35	47

November 1843.

Day.	Barometer	November 1843.	Point and Force of wind.	Thermometer lowest state early	8 am.	Highest state.
Monday, Novr. 20.	29.45 -72 -83	Cloudy, rain, & violent storm of wind all the morng, bluish black veil of cloud in W. & NW at 8, became finer and clearer with less wind, bright with flying cumuli, clear evening, stars bright, with a breeze, 8pm Thr 41°. — Several Meteors fell to N. 10 pm. —	SW 7. W 5. W 2.	39	50	50
Tuesday, Novr. 21.	-71 -66 -64	Cloudy & mild with wind & little wet, became fine & clearer near noon, fine and mild afternoon, but chiefly cloudy with cirrostrati & scuds. New moon 5pm. Cloudy & thick eveng very mild & windy. 8pm Thr 50°. — & continued so all night.	SW 4. SW 3. SW 5.	41	50	54½
Wednesday, Novr. 22.	-52 -67 -82	Hard gale all the night past & a very mild blowing morng. thin haze, & sun with cirri & cirrostrati. — Open sky in NW, & the upper current drawing towards it, or from behind it. Hazy afternoon and eveng, & still an open bright sky in NW. — less wind. 8pm Thr 44°. Night overcast, and rain after 12 pm. —	SW 7. WSW 7. W 5. W 2.	50	55	55
Thursday, Novr. 23.	-49 -38 -60	Overcast & rain till 8 am, the wind very variable, became fine with heavy clouds and squalls of wind. Very mild and a little sun at times, between black cumuli & grey cirrocumuli. Strong gale at 4. 5. & 6 pm, afterwards less wind, dark clouds & stars seen. Therm 39° at 8 pm.	ESE 2. Var 1. SW 6. SW 7. 5. 3. 4. 2.	42	47	55
Friday, Novr. 24.	-70 -68 -76	Grey haze & little frost, a fine & calm day, hazy streaks & dim sun, clearer in the West, but on the W horizon several flat crowned cumulostrati all the forenoon, more sun after 1, and mottled cirrostrati. Cold eveng & partly clear. 8pm Thr 34°.	SE 0. NE 0. NE 1. & 0.	33	34	43
Saturday, Novr. 25.	-81 -75 -75	Hoar frost early, but cloudy & thaw at day break, overcast, cold fog followed by little rain before noon. Overcast and light rain at times — the rest of the day. — Dark & mild eveng, 8pm 44°.	SE 0. SW 2. SW ½.	32	38	44
Sunday, Novr. 26.	-81 -85 -87	Arcs of spotted cirrostratus lying from SW to NE; scuds below, & a very mild morng, low clouds flying with warm breeze, but chiefly fine. — Evening the same, and at 8pm — Therm 51°.	SW 2. SW 3. SW 4.	41½	52	56
Monday, Novr. 27.	-80 -83 -87	Cloudy and very mild morng. little wet at 9, afterwards sun, with flying clouds, and very mild. — Sun set clear and yellow, and the evening chiefly clear with arcs of silvery cirrostrati lying from SW to NE. — Thr 51 at 8.	S by E 2. S 3. SW 3. SW 4.	48½	52	56
Tuesday, Novr. 28.	30.12 -26 -26	Mild and drying morng, lofty blue & yellow clouds, a fine cheerful sunny day, with silvery cirrostrati, cumuli, and some scuds. — Parallel stripes of cirrostrati at sun set & after, across a yellow sky. Considerable evaporation & the roads dry & walks clean. —	W 3. W 4. W 2.	47½	48	53

November 1843.

Day.	Barometer	November 1843.	Point and force of wind.	Thermometer lowest state early	8 AM.	Highest state.
Wednesday, Novr. 29.	30.31 -39 -42	A flying shower early, became colder and a clear morning, bright and windy day. Sun set in haziness but a very clear evening, 8pm Thr 42°. — The wind during night abated, and continued clear with little frost. —	WNW 4. NW 5. NW 5.	43½	44	49½
Thursday, Novr. 30.	-47 -38 -26	Little frost, clear morning. A fine sunny day but rather hazy, with arcs of cloud diverging from SSW. over the zenith. After 2pm it became clouded — & the evening overcast with a little sleety rain. — Thr 42° but at 8 pm a little higher again, — & at 10pm 50°. — Some wind & rain during night. —	Var 0. SW 1. SW 2.	34½	35	46 but after 9pm 50

Results for November 1843.

Barometer.		Thermometer.	
Highest on 30th	30.47	Highest on 4th	58°
Lowest on 23d	29.38	Lowest on 9th & 15th	31°
Range	1.09	Range	27°
Mean for the month	29.9088	Mean for the month	44°.2416

The prevalent current was from SW, fine days 20. depth of rain 2.26 Inches, and Evaporation 0.87 of Inch. —

This month was generally mild and very unsettled, with rain at times, yet not so much as usually falls at this period. Much sickness in towns, but no considerable degree of illness in the open country. — The rain fell most by night, so giving 20 fine days.

December 1843.

Day.	Barometer.	December 1843.	Point and force of wind.	Thermometer lowest state	8 a m.	Highest state.
Friday, Decr. 1st.	30.10 -16 -18	Lofty clouds of blue & yellow tints, a fine day, but cloudy & more so after noon. Some sun at 9 & 10 AM. — Hazy eveng — moon visible, lower clouds flying. Therm 41° at 8pm. —	NNW 2. NNW 2. NNW 1.	42	45	48
Saturday, Decr. 2nd.	-27 -31 -33	Lofty cloudiness till noon, dry & pleasant, but cold, clear afternoon, yellow & pink hazy sun-set. foggy evening 8pm, Therm 39° & had been a little under that. Night foggy.	NW 1. NW 0. NW 1.	40	41	47½
Sunday, Decr. 3.	-47 -47 -48	Calm & cloudy morng, blue haze and fog below, continued cloudy, lower clouds but sun visible. More cloudy & thick after 3pm, Evening the same, little more wind. Thr at 8 = 44°.	NW 0. W 1. WSW 1.	38½	44	49
Monday, Decr. 4.	-46 -48 -39	Cloudy more or less, little wind, mild and pleasant. Singing of birds & blooming Chrysanthema cheering the observer. — Sun peeping between clouds 4pm. — 8pm 47°.	WSW 1. W 1. WSW 1.	44	46	52

December 1843.

Day	Barometer	December 1843.	Point and Force of Wind	Thermometer lowest state early	8 am	Highest state
Tuesday, Dec^r. 5.	30.28 -19 -15	Cloudy, low scuds, trifling wet at times finer with sun after 11, but during the afternoon, a more stormy sky, mild and windy with many clouds, undulated cirrostrati & scuds. Evening nearly the same, & at 8pm Th 49°. —	SW 2. SW 4. SW 4.	45	47	52
Wednesday Dec^r. 6.	-33 -38 -45	Clear, windy & very drying, cheerful and bracing morning. The whole day the same, very bright and drying, & the sun set clear, but during eveng, haze & clouds red & slate coloured. Moon rather dim. 8pm Therm 45° clearer, & windy. Full moon & Eclipse at midnight. — Night more cloudy at times. —	WNW 4 W 5. W 4.	41½	43	49
Thursday, Dec^r. 7.	37 -30 -21 -12 -14	Very fine drying morng, birds singing, red sun-rise & beautiful clouds of golden & rosy tints about E.S.E. Cloudy with a few large drops at times during forenoon, afterwards more overcast with blue haze, and wind more. The roads & fields now quite clean! Warmer with more wind & little wetting at 3 & 4pm. — Fine, cloudy, & mild eveng, 8pm Th 53° outdoors. —	SW 3. SW 4. SW 3.	40	42	53
Friday, Dec^r. 8.	-25 -28 -33	Chiefly clear with lofty cirri & gentle breeze. a very fine day, bright sun and cirri continued. Very drying and pleasant. Clear orange sunset, and bright moon-light evening. 8pm. Therm 42° out doors. —	NW 2. W 2. WNW 1.	46	47	52
Saturday, Dec^r. 9.	-38 -40 -40	Very clear morng & chiefly bright till 11 am, afterwards hazy & thick about noon, and the afternoon & evening very cloudy, but fine and calm. out door Therm 8pm 42°. —	NW 0 NW 0 NW 0.	36½	37	45
Sunday, Dec^r. 10.	-39 -40 -43	Cloudy & calm morng, & a blue haze, a very fine, calm & pleasant day, blue haze in parts with sun between. Stars bright after 7pm, mist below along the valleys. 8pm Th 42°. 10pm - foggy below - clear above.	SE 0. SSE 0. SE 0.	41	42	48½
Monday, Dec^r. 11.	-38 -43 -40 -42	Hoar frost, clear above - afterwards thick fog. Exceedingly foggy all the forenoon, bright afternoon, and the sun set clear, of orange tint, evening clear above, and foggy below, Therm 37° at 8pm.	SE 0. SE 0. SE 0.	34	37	44
Tuesday, Dec^r. 12.	-52 -53 -54	Very foggy till ☉ rise, then clear & frost. very bright and calm day, sun set very clear, orange tint & deep blushing haze about horizon. Eveng clear above, & haze below, white frost. Th 31° - 8pm.	Var. 0. Var. 0. SE 0.	32	32	43
Wednesday Dec^r. 13.	52 -51 -53	Exceedingly foggy, hard frost & rime, the wind calm & variable, but chiefly S.E., & SW. Less fog after noon, lofty clouds and milder, evening the same, and at 8pm Th 40°. — Night overcast, & the Maximum Therm occurred after 9pm. —	Var. 0 SE 0. SW ½. SW 1.	26½	28	42
Thursday, Dec^r. 14.	30.55 -51 -50	Morng clear & calm, beautiful haze of rose & purple in NW prior to sun-rise, & afterwards a splendid orange sun-rise. Fine day, chiefly sun, cirri and haze, more hazy during evening, 8pm Th 44°. very red at ☉ set both E & W. —	SW 0. NW 0. SW 1 SW 2.	36	36	48
Friday, Dec^r. 15.	-41 -39 -39	Streaks of haze, cirrostrati & sun, with a drying breeze, red East A.M. — Fine day, chiefly sunny with cirri & cirrostrati. — Hazy & windy evening 8pm - Therm 47°. —	SW 4. SW 4. SW 4.	42	43	51
Saturday, Dec^r. 16.	-39 -45 -51	Overcast & little very light rain, during the morng, wind veered before noon, dark raggy clouds but fine afternoon, and in the evening it became nearly all clear after 8pm. Therm then 42°. —	SW 3. W 2. NW 2.	45½	48	49
Sunday, Dec^r. 17.	-51 -50 -53	Clear & little frosty, a very fine, mild and sunny day, with cirri & white cirrostrati. Remarkably fine weather for these three weeks, but great signs of coming severity. — Evening clear. 8pm Th 40°. some Meteors passing to E.S.E.	NW 1. W 1. W 0.	37½	39	51
Monday Dec^r. 18.	-56 -55 -56	Foggy morng, clearer after 8, but continual cloudiness. the clouds lofty, and furrows of blue, & of yellowish grey lying alternately. Very fine & no wind perceptible, but the smoke of chimneys indicated chiefly West. 8pm Th 41½. —	Var 0. W 0. W 0.	36	39	45½
Tuesday, Dec^r. 19.	-57 -56 -56	Continued lofty cloudiness, & no wind; The whole day the same, and the points of wind perceptible only by the smoke. Evening close & still the same, Therm at 8pm 42½°. —	Var 0. W 0. W 0.	40	40	45
Wednesday Dec^r. 20.	-52 -48 -46	Continual cloudiness, but not so lofty, little wind, and more after noon, dark cloudiness, and somewhat damper & colder. — Evening the same. — Th 40¼° - 8pm. —	SE 1. S 1. S by W 1.	41½	41½	43
Thursday Dec^r. 21.	-48 -49 -53	Clearing off at 7 am, & a clear golden sun-rise. New moon 5 am. — Winter Solstice. Shortest Day. — Sunny till 11 am, afterwards cloudy blue haze, mild & a very little wetting in the eveng, 8pm Th 46°.	SW 2. SW 2. SW 2.	40	40	48
Friday, Dec^r. 22. Roads very clean and dry to day. —	-52 -46 -43	Cloudy morning, dry breeze & very fine till after sun-set, at times sunny, with mixed clouds & scuds below. — Evening more windy & a few drops of rain after 7pm (8pm Th 45.)	SW 3 SSE 4 S 5.	41	41	44½
Saturday Dec^r. 23.	-48 -49 -50	Cloudy and very warm morning - a beautiful, warm, sunny, and drying day. Thin cirrostrati, cirri, scuds and fresh breeze. — Mild eveng, and some clouds with stars between, 8pm Th 48°. —	SW 2. WSW 2. WSW 1.	42	50	56

Day.	Barometer.	December 1843.	Point and force of Wind	Thermometer. Lowest State early.	8 a.m.	Highest State.
Sunday, Decr. 24.	30.54 .57 .55 .62	very light at 2 am - probably Northern light. Very mild morng. overcast & very little wetting, became bright at 9½ a.m, a thin cloudiness about 11, afternoon quite clear, very bright, pleasant - & exceedingly mild. Clear yellow ☉ set, afterwards clouds from NW, calm, mild and partly cloudy eveng.	W 1. W by S 1. W 0.	46½	52	56
Monday, Decr. 25.	.62 .61 .55	Exceedingly mild, calm & summer-like morng, lofty clouds & blue haze, birds musical, & the Chrysanthema, Pansy, & primrose in flower, also the Purple Stock July flower in the garden! — More blue haze, & continual lofty cloudiness. Evening the same - but a little more wind. Thermr at 8 pm 46½. —	SE 0. SE 0. SE 1.	47	49	51
Tuesday, Decr. 26.	.50 .51 .50	Overcast and very foggy, continued overcast, dark, and more or less foggy. Evening near the same, little more wind - Thr at 8 pm - 43°. — Night overcast. —	ESE 1. SE 1. SSW 1.	43	43	46
Wednesday, Decr. 27.	.54 .56 .59	Chiefly overcast more or less, and the whole day nearly the same, but colder and clouds higher again. — 8 pm Thr 43°. still overcast, little wind -	Var. 0. NW 1. NW 1.	42	42	44½
Thursday, Decr. 28.	.61 .63 .61	Very fine, & very lofty grey clouds, calm and serene, but less mild in the morng. Clouds thinner & more mild after 12, sun gleaming & no wind. — Eveng still & mild, moon between light curdy clouds. 8 pm Thr 44°. — The lower current chiefly South - but the clouds from Northward all day. —	Var. 0. Var. 0. Var. 0. S. 0.	38	40	49
Friday, Decr. 29.	.58 .54 .52	Very cloudy, dark, and slightly hazy, the whole day the same, and chiefly no wind, but a little more at 4 pm. — Thermr slowly declined all the afternoon, & at 8 pm stood 40°.	SSE 0. S 0. SSW 1.	42	42	43½
Saturday, Decr. 30.	.39 .31 .24	All clouded, lofty clouds, & very fine, gentle wind, & not so mild as some days past. Blue haze during afternoon & eveng, little more wind Thermr at 8 pm 39°. —	S 1. S 1. S 2.	38	39	41½
Sunday, Decr. 31.	.09 .00 29.89	All clouded with lofty vapour & scuds below; more wind, but very fine. — Sun at times after 11 a.m, cumuli, scuds and grey cirrostrati. — Pale red sunset, cirrostrati converging, scuds and more wind. Evening near the same, cloudy, but moon visible a few drops of rain Thermr 8 pm 44°. Stormy night, and change to rain & snow after midnight. —	SSW 2. SW 4. SW 4. & 5.	38	40	44½

Results for December 1843.

Barom { Highest on 28th 30.63; Lowest on 31st 29.89; Range - 0.74; Mean for the month 30.433!

Thermom { Highest on 24th - 56°; Lowest on 13th 26½; Range - 29½; Mean for the month 43.9193

Prevailing winds SW & W - depth of rain only 2/100 of an Inch. Evaporation 1.01 Inch, & the number of fine days - 30!

This was a remarkable month for its extreme dryness, and continued high Barometer throughout the month, beyond all on record. A little rain on one day only which was the 16th! Birds sang, and the Chrysanthema perfumed the gardens and the roads & fields were quite clean for walking to the last evening of the Year!

A table of the Monthly results - during the Year 1843. —

1843	E	W	N	S	NE	SE	NW	SW	Prevailing winds.	Depth of Rain	Evaporation	Fine days.
Janr.	½	9½	0	4	0	2½	7½	7	W - NW - SW.	1.17	1.19	22
Feby.	6	2	1	½	10½	1	6	1	NE - E - NW.	1.84	0.96	14
March	4	3	1	3	5½	7	4	3½	SE - NE - E - NW	0.61	2.23	26
April	5	4	1	3	2	4	4	7	SW-E-NW-SE-W	1.52	3.59	19
May	4½	3½	0	4	7	4½	½	7	NE - SW.	3.21	3.54	22
June	1½	4½	5½	2	6½	1	5½	3½	NE - N - NW.	1.69	4.72	21
July	1	8	0	1	0	2½	9½	9	Westerly.	1.83	4.60	20
August	5	4	1	3	2	3½	3	9½	SW - E - W.	4.45	4.86	24
Sept.	3	3½	0	1	5	7	10	½	NW - SE.	1.18	3.83	23
Octr.	0	7½	0	0	2	3	7½	11	Westerly.	4.98	1.64	20
Novr.	3	4	0	1½	4	1	5½	11	SW.	2.26	0.87	20
Decr.	0	7	0	5	0	5	5½	8½	SW - W	0.02	1.01	30.!
The Year -	33½	60½	9½	28	44½	42	68½	78½	SW - NW - NE.	24.76	33.04	261

General remarks on the Year of our Lord. 1843.

The Highest Barometer occurred on 23rd of September when it was 30·67, and the lowest for the Year was on the great storm-day Jany 13th when it fell to 28·33! The Range for the Year 2·37 In; and the mean 30·0166.

The Coldest day of the Year was the 15th of February, and the hottest were July 5th, August 19th, & Sept 16th. The lowest Therm 18° and the highest 90°! Range for the Year 72°, and the mean 51°·18925.

The Rain, Evaporation, & all other particulars are given in the table in foregoing page.—

The distinguishing features of 1843 were a mild and stormy January, wet May, hot latter Summer, attended by most dreadful thunder-storms, exceedingly hot September, and dry and pleasant December!

January ✻ 1844.

Day.—	Barometer.	Point and force of wind.	Thermometer out-doors: Morng early	8 a.m.	Highest State	State of the Weather, clouds, &c.
Monday, Jany 1st.	29·67 ·68 ·64 ·64	NW 2. SW 0. W 2.	37	34	36½	Stormy with rain early in the morng, followed by snow after 8 am; continual heavy snow till near 12 noon; fine afternoon, sky open in WNW, became clear, and bright orange ☉ set. Fine eveng, light clouds & moon between, some dark clouds more distant. Little frost, Therm 34° at 8 pm.—
Tuesday, Jany 2nd.	·56 ·64 ·74 ·93	NW 2. NW 4. NW 3.	30	30	36	Hard frost chiefly sun & very cold breeze, rocky clouds about NE horizon, these drew nearer in the afternoon & looked snowy about NE & E, but continued bright here & very cold wind.— Evening quite clear, and a wind frost, very piercing breeze, 8 pm Night Therm 29°.
Wednesday, Jany 3rd.	30·04 ·06 ·00 29·91	SE 0. S 1. SSW 2.	24	26	37	Very sharp frost, chiefly clear, red cirri about the East in the morning. Fine sunny day, but more cloudy after 3, and a little thaw in the evening. 8 pm Th 36°, little snow & sleet just before, hazy, scuds, & moon dim.
Thursday Jany 4.	·59 ·75 ·88	SE 0. NE 0. NW 1. W 0.	34	40	44	Rain early in the morng, overcast and foggy more or less all day, very little light rain now & then. Evening calm and rather clearer, but still foggy, and the point of wind variable. 8 pm Therm 40°.
Friday, Jany 5.	·73 ·67 ·57	SW 3. SW 3. S 5.	40	49	53	Cloudy, some rain early, but the day fine, cloudy & very mild, with brisk wind. Evening windy with rain at 7 & 8 pm. Therm then at 50°, finer & clearer after 8. Full moon 5pm.— Windy night little rain at times.
Saturday, Jany 6.	·35 ·32 ·38	SW 4. SW 3. WSW 1.	45½	46	50	Large scuds, cumuli & sun, stormy sky but fine; during afternoon much undulated cirrostrati, and cirri-crowned nimbi on horizon Westward. Moon bright in the eveng. Th 42° at 8 pm, showery clouds at 9.
Sunday, Jany 7.—	·60 ·67 ·73	WNW 3. WNW 2. WNW 1.	39½	40	44	Morning chiefly clear, windy with flying clouds; the same most of the day, coppery clouds at 3 & 4 pm, little sleety rain, and cold breezes.— During eveng some snowy-looking clouds & bright stars between. 8 pm. Night Therm 39°. less wind.—
Monday, Jany 8.	·88 30·04 ·24	NW 2. NE 3. NE 3	33	33	40	Grey & blue cirrostrati, and hoar frost, became quite clear at 9 am, but soon overcast with snow & sleety rain at 10 & 11, fine afternoon but quite cloudy, eveng the same & a cold wind. 8 pm Th 36½°.
Tuesday, Jany 9.	·49 ·49 ·46	E 3. ESE 3 ESE 3	33	33	35	Lofty clouds, dry & cold wind, a fine dry day, piercing wind, bluish grey cumuli & cirrostrati, with cirro above and sun at times dimly shining only at 3 pm Therm down to 32½. Hazy with streaked sky freezing hard from 4 pm. Cloudy & windy Eveng. Th 32°.—
Wednesday, Jany 10.	·29 ·35 ·40	S 1. SW 1. W 1. NW 1.	32	38	42	Snow at 2 & 3 am, afterwards rain but became fine at 8, wind veering to West, upper current NW. cleared up at 11, sunny noon, but foggy with low clouds PM, very hazy & red sun-set. Eveng clearer in part, low clouds & stars between, Th 39°.—

January ⚘ 1844.

Day.	Barometer.	Point and force of wind.	Thermometer out doors, morn^g early	8 am.	Highest State	State of the Weather, Clouds, &c.
Thursday, Jan^y 11.	30·43 ·42 ·43	NW 0. NW 1. NW 0.	34	37	44½	Clouds clearing off, fog on the fields, sun bright after 9, fine calm day, singular forms of clouds in mixed beds, and a few scuds, but chiefly bright. Evening calm low & dark clouds, stars between, very little sleet at times. Therm^r 8pm 39°. —
Friday, Jan^y 12.	·35 ·25 ·17	SW 0 SW 1. S 4.	35½	39	43	Thick fog & no wind, the trees very much wetted and dripping: dark and exceedingly foggy till after 2, then cloudy less fog: more wind; evening windy with rain & sleet, 8pm Th^r 40° Much rain with snow during night.
Saturday, Jan^y 13.	·11 ·09 ·14	SE 2. S 2. N 3. NE 2.	37	38	40½	Continual rain & little sleet till 9 am, more fair but cloudy & wind veered round by the W to the N, & NNE. — Dark blue clouds & cold breeze. — More overcast after 3pm, even^g very thick with rain and snow more or less. — Therm^r 35° at 8pm.
Sunday, Jan^y 14.	·28 ·33 ·42	NE 1. NE 3. NE 3.	31	31	38	Snow on the ground clear & frost AM. A few yellow cumuli, bright sun. Fine sunny day with snowy clouds and very cold wind —; evening somewhat clouded stars between clouds — Therm^r 8pm 32°.
Monday, Jan^y 15.	·47 ·43 ·45	NE 0. NE 1. NE 0.	27	27	36	Chiefly clear hard frost, much rosy and blue haze in NW — 8am. — Very fine sunny day, light clouds, & very little wind. — Evening quite clear, no wind, stars bright and sharp frost. 8pm Th^r 30° & 10pm 28½.
Tuesday, Jan^y 16.	·39 ·30 ·28 ·30	Var. 0. NW 1. NW 0.	25	25	35	Chiefly clear, very hard white frost, & no wind. linear cirri, and haze below more so in North. Very fine and bright, but more blue haze pm. Sun set in haze, streaky red sky, and freezing hard. — Evening overcast, Therm^r at 8pm — risen from 30 to 32°. Less frost.
Wednesday, Jan^y 17.	·27 ·26 ·27	NW 1. NW 3. NW 2.	29½	35	41	Overcast & thawing, more or less foggy and thick till 2pm, then scuds, and sun, afterwards again more cloudy and some fog. Therm^r 8pm 40° — had been 37½ during evening.
Thursday, Jan^y 18.	·27 ·21 ·22	W 3. W 4. WNW 3.	34	36	43½	Flying low clouds but chiefly clear in the morn^g, partial frost; low clouds & sun during day, evening more cloudy and wind rather less, Therm^r 8pm 41°. —
Friday, Jan^y 19. New moon 6pm. —	·05 29·92 29·91 30·02	WNW 5. NW 6. NW 4. NW 2.	40	43	45½	Hazy with cirrostrati; flying dark & lowering clouds, and high wind — More wind at noon & during afternoon with storms of rain & sleet. Stormy evening, black clouds & at 7¼pm — a beating shower of hail & sleet, afterwards less wind. 8pm. Therm^r 37°. — 10pm — quite clear.
Saturday, Jan^y 20.	·04 ·09 ·13	NW 4. NW 4. NW 2.	32	32	38	Hard wind frost, clear, very fine, sunny, and cold wind. Cirri during afternoon & pale streaky haze. Very red and beautiful sun set, crimson cirrostrati. Even^g clear, and hard wind frost, 8pm 31°.

January ⚘ 1844.

Day.	Barometer.	Point and force of wind.	Thermometer out doors, morn^g early	8 am.	Highest State	State of the Weather, Clouds, &c. —
Sunday, Jan^y 21.	29·95 ·99 30·06	NW 2. NW 2. NW 1.	31	39	44½	Wind frost continued till 1 am, afterwards cloudy some sleet & less cold. Cloudy morning, fine day, sun at times, undulated cirrostrati & scuds. At 7pm — much barred cirrostratus of dark colour. Clearer at 8 — but hazy & Therm^r 37°. —
Monday, Jan^y 22.	29·98 30·01 ·00 ·02	Var. 0. NW 1. NW 0.	33	36	42	Very hazy & thick, little dim sun, and no wind, less hazy after 1pm, but cold raw & frosty atmosphere, much of the grey streaky cirrostratus cloud. — At sun set clear above, fog below, evening foggy more or less, stars visible, no wind and gentle frost. Th^r 32° — 8pm. —
Tuesday, Jan^y 23.	·13 ·21 ·25	NW 0. NW 0. NW 0.	31	34	42½	Little frost, thin clouds and haziness and no wind. — A very fine day — quite calm, but more or less hazy and some dark low clouds. — Even^g hazy. Therm^r 35½ at 8pm. —
Wednesday, Jan^y 24.	·29 ·28 ·32	SW 0. SW 0. SW 0. & 1.	33	33	42½	Thin clouds passing off at 8 am, little frosty, very clear, and calm day, very pleasant, sun set salmon colour in cirrostrati. — Clear evening, stars & moon bright. A very little wind, Therm^r 34° at 8pm. —
Thursday, Jan^y 25. ♂♀♃	·32 ·27 ·17	SW 0. SW 2. SW 4.	29	29	43½	Clear morn^g, deep red sun-rise, haze below and hard frost. Cloudy more or less after 9 am, sun at noon, then more clouded with fog. — Even^g not foggy but dark longitudinal clouds, rain and wind at 8 pm, Th^r risen from 39° to 43°. — Upper current all day from NW, the clouds moving across the lower one. —
Friday, Jan^y 26.	·31 ·28 ·33	WNW 2. WNW 2. NW 2.	34½	35	44	Clear morn^g except about East horizon, Fine sunny day, some cirri in curls and streaks. — Clear sun set, gentle breeze NW —. Bright moon & stars this evening, breeze continues, Therm^r 37° at 8pm. — Aconite & snow-drop in flower.
Saturday, Jan^y 27.	·29 ·24 ·23	SW 1. NW 3. NW 4.	34½	38	47	More or less cloudy, with haziness, & very little sun, cirrostratus, and dark bluish clouds in lower current — but fine and mild, although a NW wind. Even^g moon-light, with white dappled trains of cloud. Therm^r 8pm 44°.
Sunday, Jan^y 28.	·00 29·86 ·95	SW 2. W 3. NW 7. NW 5. 4 — 2.	39	42	50	Much cirrostrati in parallel lines of red & orange about East, followed by rain at 8½ am, fast & thick: rain till 11 am. — Fine at noon, clearer with sun, & hard gale at NW, heavy cumuli flying, & at 3½pm, distant hail showers. Sun-set yellow in cirrostrati. Even^g squally with sleety showers. After 9 — again clear & less wind. Th^r 39°.
Monday, Jan^y 29.	30·04 ·00 29·86 ·70	W 1. WSW 4. SW 6.	34	37	45 to 49½	Fine morning, in part clear, little frost, pleasant sunny forenoon, more cloudy after 1pm, stormy & dark with wind, and little wet at times from 3pm — all the even^g. Therm^r 8pm 45°. — but during night up to 49½°. Stormy and mild, windy night. —

January ✻ 1844.

Day.	Barometer	Point & Force of Wind	Outdoor Thermr. morng early	8 a.m.	Highest State	State of Weather, Clouds, &c. —
Tuesday Jany 30.	29·82 ·89 ·72	WNW 5. WNW 5. W 4. WSW 5.	42	44	47	Chiefly clear with wind & flying clouds, very drying morng: Stormy sky all day, large raggy clouds flying over, very snowy looking and rough wind. — Beating showers and hail during evening, with squalls of wind, Thermr 40° at 8pm. — Very stormy night, hail at times.
Wednesday Jany 31.	·79 ·80 ·85	NW 6. NW 6. NW 4.	33	34	38½	Exceedingly stormy with high wind, and very cold, dark raggy clouds flying — sun at times. — Commenced freezing 4pm clear evening, hard wind frost, and very cold. Thermr 8pm 31°. —

Results for January 1844. —

Baromr. { Highest on 9th 30·49; Lowest on 6th 29·32; Range 1·17; Mean of the Month 30·006 }

Thermomr. { Highest on 5th — 53°; Lowest on 3rd — 24°; Range — 29°; Mean of the Month 38·008 }

Prevailing wind the NW. depth of rain 1·50, Evaporation 0·73, number of fine days — 21. —

This has been an exceedingly changeable month, but generally fine and mild in these parts, although in the South Counties and on the Continent there have been some severe frosts with much snow! — The Thermomr in Sussex down to 9° on the 3rd! — Considerable sickness in towns, and catarrhs & coughs in the country villages. —

February ✻ 1844.

Day. —	Barometer	Point & Force of Wind	Thermometer Outdoors morng early	8 a.m.	Highest State	State of Weather, Clouds, &c. —
Thursday Feby 1st.	29·99 30·07 ·09 ·07	NW 3. NW 2. NW 2.	27	27	37½	Flights of snow early in the morning, very hard frost, clear sun-rise, and continued bright with light scuds & very cold wind. — A flight of snow 2pm, rather cloudy; — clearer, and sharper frost, bright moon eveng. — 8pm Thr 29°. — 11pm 27°. —
Friday, Feby 2nd.	29·70 ·61 ·71	ESE 1. ESE 2. ENE 2.	26	28	37	Sharp frost, but less since day-light, more hazy — streaky sky with dark cumuli and scuds, snowy looking, but less wind. Very gloomy & very little snow 4pm. Eveng hazy, moon dim with halo, continued hard frost, some dark raggy clouds, and Thermr 8pm 32°. —
Saturday Feby 3rd.	30·01 ·04 ·01 ·02	NW 1. NW 2. NNW 1.	30	32	41	Gentle frost, calm & sunny morng, very dry pleasant & bright till noon — sleet in showers with low clouds at 3 & 4pm, eveng at times clear, flight or two of snow, — freezing at 7pm, — and at 8pm 32°. —

February ✻ 1844.

Day.	Barometer.	Point & Force of Wind	Thermometer Outdoors morng early.	8 a.m.	Highest State	State of Weather, Clouds, &c. —
Sunday, Feby 4.	29·83 ·67 ·59	SW 1. S 2. SSE 1. Var. 0.	29	31	36	Cloudy and frost, began to snow at ¾ past 9 a.m. — Full moon at 8. — Continual snow more or less all day, heavy at 4pm, eveng overcast but less snow, and scarcely freezing — but at 8pm 32¼°. — The ground white with snow — patches 1 in deep
Monday, Feby 5.	·52 ·50 ·60	N 1. NW 1. & 0. NW 0.	28	28	36	Cloudy but lofty: less cloudy, & smart frost, little sun, thin grey clouds. Fine most of the day, grey clouds & sun, very few flakes of snow. Clearer & sharp frost after 5pm. Thermr 8pm 30°. — Very little or no wind. —
Tuesday, Feby 6.	·65 ·63 ·62	SW 0. W 1. SW 0. Var. 0.	23	24	34	Severe frost, clear above, haze below, sun rose deep rose-coloured. Suddenly foggy after 8, and fog more or less all day. 5pm exceedingly thick fog, but soon clear till 7, & sharp frost. Thr 29°. — Afterwards foggy & clear by turns. — Clearest 10pm. —
Wednesday, Feby 7.	·40 ·35 ·30	SSE 3. SW 2. SW 1.	28	35	41	Cloudy — thaw, wind and little rain during the morning, clearer about noon — sun — & lofty cirri lying across each other. Evening dark and overcast, very little wetting. 8pm Thr 37°. —
Thursday Feby 8.	·39 ·43 ·42	W 3. W 5. W 3.	32	32	41	Clear morning, very hard wind-frost, bright and windy day, some dense cumuli, and very cold wind. — Evening clear stars bright: little frost. Thermr 8pm 34°. —
Friday, Feby 9.	·30 ·25 ·26	SW 1. SW 1. SW 1.	30	30	41	Hard frost & the morng chiefly clear, very bright till after 1pm. cirri, cirrostrati & cumuli increasing: cloudy towards sun set, little sudden shower, cloudy eveng. little wet at times (sleet & hail at 9pm). — Thr 35° — 8pm.
Saturday, Feby 10.	·50 ·59 ·72	N 1. N 3. N 2.	30	30	40	Frost, and many distant nimbi bearing hail, sunny forenoon, but frequent drift of hail and snow during afternoon, sun at times. Squalls of wind with the storms, at other times less wind. Eveng similar. 8pm Thermr 32°. —
Sunday, Feby 11.	·86 ·91 30·01	NW 1. NW 2. NW 1.	31	31	39	Drifts of snow, fine intervals, gentle frost. Heavy hail and snow with sun at times and exceedingly stormy looking sky — rocky nimbi & scuds, — and very cold. — 8pm — clear & frost, Thermr 31°. —
Monday, Feby 12.	·07 ·11 ·10 ·12	NW 1. NW 0. N 0.	26	27	34	Sharper frost, fog & rime, — the fog more after 8 a.m, very little wind — trees whitened & icicles on buildings. Exceedingly foggy all day. 4pm Thr 30°, & at 8pm 27°. — Continual rime & sharper frost. —
Tuesday, Feby 13.	·17 ·21 ·19	N 0. Var. 0. N	20	21	36½	Severe frost, quite clear, no wind. The trees richly trimmed with rime. Some distant rocky clouds on East horizon. — Very bright day and the rime falling from trees — after 11, clear eveng, stars bright. Sharp frost — 8pm Thermr 27½°. —

February ✻ 1844.

Day	Barometer	Point, & Force of Wind	Thermometer Outdoors lowest early	8 a.m.	highest State	State of Weather, Clouds, &c.
Wednesday, Feb.^y 14.	30.15 ·13 ·11	S E 1. SSW 3. SSW 3.	24	25	40	Clear, very sharp white frost; a red & narrow cirrostratus above rising sun, little more wind – scuds & cirri followed but fine and bright. – More clouded after 3, with blue haze. Even^g cloudy, some stars – 8 pm Th^r 34°.
Thursday Feb.^y 15.	·04 ·01 ·03	S 2. S W 3. S W 3.	34	38	47	Cloudy, low cirrostratus and haze, with sun no frost, fine & mild but chiefly cloudy, very little sun; thick blue haze for some time P.M. – Evening dark & clouded, very little wetting, & more wind. Th^r 42° – 8 pm. Gentle rain at 9 & 10 pm – w^d less. –
Friday, Feb.^y 16.	·22 ·24 ·25	NW 1. NW 3. W 2.	32	34	47	Clear & little frost, a very fine sunny and drying day, cheering & bracing. – light cumuli & bright sun. Clear yellow sun-set, and even^g clear star-light, Therm^r 36½ at 8 pm.
Saturday, Feb.^y 17.	·16 ·12 ·09	S W 3. S W 3. S W 3.	35	38	48	Thin cirrostrati & sun, pleasant morn^g. Very fine sunny and drying day, cirrostrati & cumuli, some barred & undulated clouds. Even^g more cloudy, windy but mild – Th^r 40 – at 9 pm.
Sunday, Feb.^y 18.	29.99 ·89 ·76	S 2. S by W 5. S 5.	37	40	46½	Thin grey cirrostrati, fine, mild, & drying morning, sun & flying cumuli till near noon, then clouded & more windy, Stormy even^g, very windy, & cloudy with rain at times. Th^r 40° at 8. – (New moon – 7 a.m.)
Monday, Feb.^y 19.	·52 ·35 ·47	S W 4. S W 5. W 2. NW 7. 6. 5. 3. –	39	41	48	Clear morn^g but stormy looking, scuds followed many clouds & more wind. Very stormy day, squalls of wind with rain, and at 6½ pm a hurricane with hail & snow, suddenly colder, cloudy with more snow, very dark. Therm^r 34° – at 8 pm. –
Tuesday, Feb.^y 20.	·77 ·85 ·88	NW 4. NW 5. NW 1.	28	28	38	Grey clouds but chiefly clear, & very hard wind-frost, very bright day, with cumuli and very cold wind. Clear rosy ☉ set, rocky blue clouds on NW horizon. Clear even^g – hard frost, less wind – Therm^r 30° at 8 pm. –
Wednesday, Feb.^y 21.	·67 ·45 ·38	S W 1. S by E 1. N E 2.	25	27	38	Sharp frost, hazy dark cirrostrati & cumuli followed by snow by 11 am, Cloudy & chiefly snow & sometimes fast till 1 pm, then finer with dark clouds, evening overcast wind to N E – with fast snow. Th^r 33° at 8 pm. –
Thursday, Feb.^y 22.	·47 ·60 ·76	N E 3. N E 2. N E 0.	29	31	35½	Cloudy with continued snow till 8 a.m., finer afterwards – but hazy & cloudy, clearer far distant in the North, freezing in the morn^g and again before 2 pm. – The snow 2 inches deep. Quite clear after 4 pm, Clear sun set, and evening the same, stars bright, Th^r 27° at 8 pm.
Friday, Feb.^y 23.	·84 ·62 ·47	S W 3. S W 4. SSE 4. S E 6.	22	26	37½	Severe frost, chiefly clear, & brisk piercing wind during forenoon, more hazy at noon, increased to quite overcast & very cold. Snow began at 5 – continual fast snow, all the evening, at times heavy, with strong wind. – 8 pm Th^r 32°. Very heavy snow till 10 pm – followed by rain and the Therm^r rose to 41° at midnight.
Saturday, Feb.^y 24.	28.94! 29.31 ·66	W 4. NW 6. NNW 3.	32	33	41	Clear & wind veered round, great floods from the rain & melting snow, flying cumuli, strong wind & very cold. Nimbi with hail at 1 pm. afterwards chiefly cloudy and less wind. Evening clearer and sharp frost, Therm^r 30° at 8 pm. – The snow which lay several inches deep last even^g is nearly all gone, but now the frost has returned. –

February ✻ 1844.

Day	Barometer	Point, & force of Wind	Thermometer lowest early	8 a.m.	Highest State	State of Weather, Clouds, &c. –
Sunday, Feb.^y 25.	29.70 ·42 ·18	S E 2. SSE 4. SW 2.	29	33	47	Hail & sleet early this morn^g with frost, change of wind at ☉ rise, overcast followed by rain, continual rain & snow – heavy & driving at noon fr^m SSE. – Rain more or less all the afternoon, much milder and finer even^g – Th^r 8 pm 43°. – Cumulostrati with heads brightened by the moon. –
Monday, Feb.^y 26.	28.90 ·76! ·88	S W 1. S W 2. Var. 2. N E 6.	38	42	48	Morn^g clear with cirri, thunder in SW – distant nimbi, exceedingly stormy day. Mild at times with sun, rocky and black clouds heavy storms of rain and hail at 10 a.m., 1 pm, & 4 pm, much loud thunder more or less distant 1 & 2 pm. – Cloudy & snow at times dur^g evening. Sudden gale from N E at 7. Therm^r fell 10 deg^s during storms – & at 8 pm 34°. –
Tuesday, Feb.^y 27.	29.43 ·48 ·48	N 2. NNW 3. NW 6.	27	28	36	Clear with sharp frost, mostly bright till 2 pm hazy & more cloudy at 3, and become overcast at 4 pm, followed by much snow till 6 pm, afterwards windy, dark heavy clouds, and snow at times. – Therm^r 32° during even^g, but at 8 pm 34½°, and not lower than 32° all n^t.
Wednesday, Feb.^y 28.	·63 ·69 ·64	NW 3. NW 4. W 5. SW 5.	32	34	47	Haze, cirrostrati, cumuli, & sun; a fine & drying day – raggy cumuli, mixed clouds, haze & sun. – Evening more cloudy and became overcast, and wind more. – Therm^r 38° – at 8 pm – but rising, and a little rain – followed by more rain & w^d SW. –
Thursday, Feb.^y 29.	·66 ·70 ·62	SW 2. SW 2. SW 2. SSE 4.	33	35	49	Fine, chiefly clear, very little frost. – very fine sunny and pleasant day till after 6 pm, cumuli & gentle breeze. – More hazy and thick after 4, and the evening cloudy, windy followed by a rainy night. Therm^r at 8 pm 41°. Wind veered to SSE at 7 pm, & became squally. –

Results for February 1844.

Barom^r	Highest on 16^th – 30.25 Lowest on 26^th 28.76! Range – 1.49 Mean of month 29.6972.	Thermom^r	Highest on 29^th – 49° Lowest on 13^th – 20 Range – 29 Mean of Month 35°.224

Prevailing winds the NW & SW, rain 1.69 Inches. Evaporation 1.15, fine days 16 in number. –

This was a very seasonable month, and generally frosty with trifling intermission. There was not much rain until the 24^th day, afterwards considerable, but during the month many heavy falls of snow, and what is most singular – the South of England & even the Continent had much more than the North, and the frost was far more severe too in the Southern Counties than here during all this winter. – Much sickness of many kinds – but few violent diseases. –

March 1844.

Day.	Barometer.	Point & force of Wind.	Out door Thermometer lowest early	8 a m	Highest state	State of Weather, Clouds, &c.
Friday, March 1st.	29·38 ·56 ·61	W 4. W 5. WSW 4. 3 & 2.—	40	44	53	Fine sunny & drying after a wet night, very fine & bright day. loose cumuli. and brisk wind, but mild. Less wind towards even g. pleasant & mild.— A parhelion N of sun at 4½ pm. — Moon-light even g, beds of cirri-form haze upward. [Th 8p 42.]
Saturday, March 2.	·48 ·54 ·49	SW 7. SW 7. SW 6.	37½	40	49	Stormy morn g, galy with some rain early. very windy day. rocky cumuli & sun, and during the afternoon flying showers, with squalls of wind. bright sun between, and still drying. A beating hail-storm 8 pm Therm 37° at the time or just after. Crocus in flower, & buds opening these 3 days.
Sunday, March 3.	·40 ·43 ·41 ·45.	WSW 6. WSW 7. SW 7. & 6.—	35	39	48	Morn g chiefly clear, & windy - loose cumuli & sun, stormy sky, very blowing day. with cumuli clouds, some raggy & others curdy with sun between. Fine - yet some very distant showers.— Evening like as the day. - 8 pm Th 42½°. Clear and windy night. —
Monday, March 4.	·52 ·48 ·38 ·47	SW 1. SE 0. E 1. NE 2. N 3.	36	38	44	Hazy sheet of clouds drawing slowly over from S, clear at first. - More hazy, but no wind. very little rain a few minutes at 10-a m: very thick & overcast, rainy afternoon, & more wd NE. - rain more or less continued, with wind to N & NNW — during even g. Th 38 at 8 pm. — Full moon 9 pm
Tuesday, March 5.	·85 ·90 ·90	NW 1. NW 1. NW 0.	32	34	42	Clouds low with a little snow at times, clearer sometimes bright; - after 10 - very fine, with cumuli in dense bodies, & bright sun - but very cold. Very clear & red ☉ set, calm & clear night, and smart frost. Therm at 8pm 30° - by Night Th - outdoors.
Wednesday, March 6.	·84 ·85 ·98	N 0. NW 2. NW 2.	24½	28	42	Clear, severe very white frost, bright sun some dark cirrostrati rising in North at 10-a m: became cloudy, very little snow, — bright at noon, & afternoon fine with cumuli, cirrostrati & sun. — Even g cloudy little sleet at times. 8pm 35° by Nt Th.
Thursday, March 7.	30·16 ·22 ·28	NW 1. NNW 2. N 1.	32	34	42	Heavy nimbi, cirrostrati, cumuli & sun, flying storms of hail & sleet at intervals, and about noon an exceedingly heavy fall of hail for 15 minutes. — More or less stormy, with sun between. Evening finer, in part clear. 8pm Th 33°.
Friday, March 8.	·35 ·37 ·35 ·32	E 1. SE 2. SE 4.	29	32	44½	Some snow early. fine & frost, cirri from NW. cirrostrati under them from SE. very sunny till after 2 pm. fleecy cumuli - & more hazy after 3. - many clouds, and the haze increased in streaks, & wavy arcs. Cloudy even g, 8pm Th 35°. —
Saturday, March 9.	·05 29·96 ·95 30·05	SSW 4. SW 5. WSW 5	35	41	56	Exceedingly stormy with wind & rain more or less till 10 a m, then finer, sun appeared at noon; much warmer but windy with flying clouds. - Very fine afternoon - bright & warm with much white cirrocumulus & cirrostratus - & windy. — Even g chiefly clear & less wind. 8pm Th 44°. — Sallow buds much opened. —

March 1844.

Day.	Barometer	Point & force of wind.	Out door Thermometer lowest state	8 a.m.	Highest state	State of Weather, Clouds, &c. —
Sunday, March 10.	29·84 ·73 ·77 30·02	SW 0. E 1. NE 2. N 3. N 1.	39 38½	41	44	Overcast and thick rain during the morn g; continual hard rain till 1 pm, then less, & after 2 - became fine, little sun, and dark raggy clouds; Therm in the morn g had risen from 39° to 41° - but fell at noon to 38½, then became higher after 1 pm, as noted in column. After 4 pm - became clearer with sun & rocky cumuli. Even g quite clear, stars bright. Therm 36° at 8 pm.
Monday, March 11.	29·61 ·47 ·43 ·48	SW 6. SW 7. W 7. WNW 6.	34	44	53	Exceedingly stormy, strong wind and heavy rain at times with increased wind. — Excessive gale & beating storm of rain at noon, followed by violent driving storms - during afternoon & even g. hail at 8 pm. Some sun between the storms about 2 & 5 pm. — Very vivid flashes of lightning in North during even g, & some in other points. Therm 39° at 8 pm. —
Tuesday, March 12.	·49 ·50 ·48 ·67	WNW 7. WNW 7. NW 5.	34	36	44	Exceedingly stormy but chiefly fine and sunny. Strong gale, & at times very so, a little flying fall of snow at 5 a m, & a few flakes at 8 a m, — but the day drying & almost clear with dense cumuli. — After 5 pm - driving storms of hail and snow. — 8 pm clear - Therm 33°. —
Wednesday, March 13.	·98 30·01 ·03	NW 3. NW 3. NW 1.	32	34	46	Less wind, clear & little frost, a very drying & bright day, rocky cumuli & sun, trifling fall of soft hail & sleet at 4½ pm. — Fine even g. much less wind. dark clouds & stars. Frosty night. Therm 8 pm 36°. — Only partially star-light.
Thursday, March 14.	29·98 ·97 ·90	NW 0. Var. 0. SE 1.	30	33	43	Hazy with cirrostrati & hoar frost. Continual cloudiness more or less, but calm & fine, except a few flakes of sleet at times. — Evening quite dark and overcast, 8 pm Therm 36°. - little more wind. —
Friday, March 15.	·60 ·52 ·56 ·62	SSE 3. SW 4 SW 0.	35½	41	47	Rainy morn g. and continued so, more or less till noon, ending in a very heavy storm of rain mingled with large snow near 1 pm, afterwards fine & sunny with cumuli & haze. — Thick haziness increasing all the even g, & small black clouds — Th 39° at 8 pm. — Little rain at 10. —
Saturday, March 16.	·65 ·75 ·88	E 1. E 2. ENE 6.	36	41	51	Cloudy & still morn g, became less cloudy & more wind, little sun and drying air. fine but cloudy more or less. — Wind much increased during evening, and at 9 pm - was very strong. — Therm 39° at 8, and quite cloudy but fine.
Sunday, March 17.	30·07 ·13 ·17	NE 6. NE 6. NE 6. 5 & 4.—	35	36	43	Cloudy with strong wind & very cold, little sun at times after 11, more or less cloudy & continued gale, very cold & drying. Chiefly sun after 2 pm, in other respects the same. Clear ☉ set, even g the same, and wind less. Therm 8pm 33°. —
Monday, March 18.	·15 ·12 ·13	NE 3. NE 3. NNE 3	29	36	45	Clear & frost, bright with sharp wind, cirri & cumuli. Very fine & clear till 3 pm - afterwards cloudy, and during even g - a very little rain, 8 pm Therm 38°. — Cloudy but fine. —

March 1844.

Day.	Barometer.	Point, and Force of Wind.	Thermometer out of doors: lowest early	8 a.m.	Highest State	State of Weather, Clouds, &c.
Tuesday, March 19.	30·15 ·10 29·98	NNW 2. NW 3. W 3	33	36	47	Thin clouds & little snow in showers at 6½ a.m. chiefly fine in the day, but cloudy, little sun at times. – Red west at sunset, dark cirrostrati & little more wind. Therm 40° at 8 pm. – New moon before 1 a.m.
Wednesday March 20.	·61 ·50 ·53 ·80	W by S 3. W 5 NW 5. NNE 4.	38	41	44	Equinox or Vernal Ingress. — Overcast and continual rain more or less till 1 pm. then finer. Wind veered with some heavy clouds & little snow at 3, afterwards clear and very cold wind. – Evening clear, & wind frost. 8 pm Th 32°.
Thursday March 21.	30·04 ·07 ·02	NW 1. NW 2. W 1	28½	33	47½	Sharp frost. flights of sleet during the morning: became fine – large cumuli and sun, but cold wind. Hazy at 5 pm halo & 3 Parhelia or Mocksuns. – Eveng partly clear, & a brilliant Arc of Aurora Borealis. Therm at 8 pm 36°.
Friday, March 22.	29·81 ·67 ·68	SW 1. SW 3. SSW 3.	33	40	51	Grey clouds, little sun, chiefly very fine with light cumuli, haziness & sun at times. Mottled white clouds above the lower ones. Some blue haze over the fields after 1 pm. – A few drops at 5., cloudy evening. Th 8 pm 42°. –
Saturday, March 23.	·61 ·70 ·72	SE 1. E 0 NW 1. Var. 0.	39	43	49	Overcast & light rain till 10 a.m. and very mild morng, but afterwards colder, fine & clearer before noon, but wind veering, and become cloudy during afternoon. – Sun partially seen red at setting. Clear eveng. 8 pm Th 39°.
Sunday, March 24.	·66 ·52 ·66	SW 3. SW 6. SW 2.	32	39	47	Frost early, much undulated cirrostratus, followed as usual by wind. Squalls with rain at times from 11 am – till 3 pm. afterwards fine with cumuli and sun. – Therm highest at 5 pm. Eveng fine, clear but hazy, and Aurora Borealis. Th 41° at 8. –
Monday, March 25.	·75 ·62 ·52	SW 0. SW 2. SW 3.	38	43	51	Cloudy with cirrostrati & haze, chiefly so all day, little sun-gleams, & strong blue haze on the fields. Less haze but cloudy and mild evening. Therm at 8 pm 47°. – Hasty storm of rain 9½ pm. Clear at 11. –
Tuesday, March 26.	·64 ·79 ·91	WNW 2. WNW 3. W 0. W 0.	44	47	57	Very fine, drying breeze & lofty clouds – became bright with cumuli & cirri. Very fine & pleasant Day the most so we have had this season. – At 4½ pm – a woolly white cirrostratus near the sun tinged with red green & violet. The same about the moon at 8 pm, Th 45°. Calm, clear, & beautiful eveng.
Wednesday, March 27.	·95 30·01 ·11	SW 1. SW 2. SW 0.	40	47	59	Thin clouds, mild & calm morng. a very fine, pleasant & warm day, but chiefly cloudy – little gleams of sun, Red & brown butterfly appeared. – Calm and close evening, dark knotted sheet of cirrostratus. and a few drops. Therm. outdoors 52° at 8 pm, – and had been all the afternoon from 57° to 59°. –

March ~ 1844.

Day.	Barometer.	Point, and force of Wind.	Thermometer Out of Doors: lowest early	8 a.m.	Highest state	State of Weather, Clouds, &c. –
Thursday, March 28.	30·32 ·47 ·52	NW 1. NW 1. NW 0.	40	47	61	Clear morning, but not cold. thin grey cumuli followed, but very fine, bright sun, and warm day. Sun set in cirrostrati – of gold tint. – Calm & bright moonlight eveng. 8 pm Therm 46°. The wind at times was a little to NNE. in the afternn. –
Friday, March 29.	·59 ·61 ·61	Var. 0 SE 1. SE 2.	34	41	61	Fog & little hoar-frost early, became very bright & warm soon after 8 – with curdy cirrocumuli. A very fine, bright, and lovely day, little wind. – Rosy sunset, but suddenly foggy at 7 pm. More wind & still foggy – Th 42 at 8 pm. – Roads dusty. –
Saturday, March 30.	·54 ·49 ·49	E 2. E 3. NE 3.	38	43	55	Fog early wetting the trees till they dripped, became gradually clear after 8, very fine clear & bright day, drying but cold wind. Clear rosy sun-set, afterwards flying vapours in low current. 8 pm Therm 39° clear at 10 pm. –
Sunday, March 31.	·40 ·34 ·37	E 2. E by S 1 ESE 1.	36	42	55	Very foggy & the trees very wet with it. – Became clear after 10, very fine, bright, and parching; no clouds till sun-set, but distant fog over the sea, which came up at 6½ pm. – Thin fog but moon visible – Therm 42° at 8 pm. –

Results for March 1844.

Barom.	Highest on 29th =	30·61	Thermom. Highest on 28th & 29th	61°
	Lowest on 1st & 4th =	29·38	Lowest on 6th	24½
	Range	1·23	Range	36½
	Mean of month =	29·864	Mean of Month	41·99

Prevailing winds NW & SW. Depth of rain 2·31 In. Evaporation 2·02 Inches & the number of fine days 15. –

This was a very unsettled, changeable, & stormy month, yet perfectly seasonable. The seed-time as well as vegetation was delayed, but during the last 6 days, it was lovely, clear, and sunny weather. – The little spring flowers, buds, &c all influenced by the sudden advent of Vernal Sun. –

April 1844.

1844.	Barometer.	Point, and Force of Wind.	Thermometer out of doors: lowest early	8 a.m.	Highest State	State of the Clouds & Weather: —
Monday, April 1st.	30·33 ·33 ·33	E 0. Var 0. chiefly E 0. SE 1.	35	43	67	Fog early, became clear after 8, a most splendid day, exceedingly bright, calm, and hot, no cloud. Therm^r outdoors for two hours from 66° to 67° in shade! — and at 5pm only down to 64°. — Clear rosy ☉ set, and even^g clear. 8 pm Th^r 50°. — Very clear & lovely night. —
Tuesday. April 2.	·27 ·18 ·10	S 0. SSW 2. S 2. SSW 1.	39	50	70!	Splendidly clear ☉ rise, very bright & hot as day came on, continued bright sun some cirri & thin haze, and very hot; Therm^r 69° to 70° for some time about 2pm at 5pm 64° & at 8pm 55°. — Sheets of cirrus, and streaks of white haze.
Wednesday, April 3.	29·98 ·93 ·90 ·91	S 0. S 3. SSE 1.	42	53	69½	Very clear & lovely morning, the day continued very bright, & very hot, with little breeze at times, one or two small fleecy clouds about 1pm, otherwise quite clear. Full moon 7 AM. — Clear even^g. Therm^r at 8pm 54°. — Sun set in broken cirrostrati.
Thursday, April 4.	·80 ·82 ·81	S 2. SSE 2. S 1. SSE 1. Unusually hot for the season, these four days past. Thunder & vivid lightning North 8½pm.	42	53	70!	Quite clear, splendid morn^g, very bright with brisk breeze, but very hot, Therm^r before 11am was 66°; and at 1pm 70°, & so for above an hour. Continued bright and very hot but less w^d pm. — Rocky cumuli on the N horizon. At 5 & 6 pm — many electric little clouds, in knotty white flocks. Sun set among beautiful serrated cirrostrati, and a more electric looking sky all round at 7pm. — Large drops from very black cumulostrati at 8 pm, little very distant lightning S. — Therm^r at 5pm, only down to 65° & at 8pm 55. More lightning during night. —
Friday, April 5.	·88 ·93 ·98	S 0. SW 4. SW 1.	43	53	64	Good Friday. Little thin haze, white flocks of cirrocumuli, & bright morn^g, and very warm till near noon, more wind & dark mixed clouds, little flying shower before 1pm, afterwards fine with cirrocumuli, cirrostrati, cumuli & sun, & very drying breeze. Horizontal streaks along the west & diverging ones in zenith during even^g. Rosy sunset. Therm^r 50 at 8 pm.
Saturday, April 6.	30·01 ·05 ·11	Var 0. Var 0. NW 1. NE 1.	42	48	57	Much cirrostratus till 2pm — lying in Arcs and undulations from SE to NW, a little rain, but after 2 — it passed to SW, and became very bright with small cumuli. Pure golden sunset, & clear evening, the Therm^r at 8 pm 44°. — Twilight strong orange.
Sunday, April 7. Easter Day.	·25 ·30 ·37	NE 1. E 3. E 3. E 1.	35	45	57	Very clear morn^g, partial hoar frost, very fine day, bright sun, & parching wind. — Evening clear, except a thin rosy cirrostratus across west at a little elevation less wind — Therm^r at 8pm 42½°. —
Monday, April 8.	·47 ·51 ·54	NW 0. W 0. SW 1. SW 0.	33½	42	64	Fog early, but cleared at 8, became bright at 9, a very fine, bright & warm day, a few cirri only in many forms, no other clouds. — Clear orange sun-set, & evening very clear. 8 pm Th^r 49½°. Cowslip in flower partially for some days past, and all little Spring flowers opening. Foliage expanding & field work progressing. —

April 1844.

1844.	Barometer.	Point, and force of wind	Thermometer out of doors: lowest early	8 a.m.	Highest State.	State of the Clouds, & Weather: —
Tuesday, April 9.	30·56 ·57 ·57	Var 0. W 0. 1. Var 0. W 0. SE ½.	37	50	72!	Very fine & clear, pale mist below, & electric smell in the air, very fine, clear & very hot day, very little wind, & at times none, cumuli came on during afternoon, but the sun chiefly bright, — and set red in ash-coloured haze. — The Therm^r at 72 for 2 hrs, & at 4 pm 70°. — 5pm 67½, 6pm 64°, & at 8pm 58. chiefly clear but close night. —
Wednesday, April 10.	·51 ·44 ·36	S 0. Var 0. S 1. SE 2.	42	53	74!	Sun rose red in pale haze, splendid morn^g, no clouds. — By 10 am Therm^r 64°. at noon 71°, and afterwards 74° for an hour or more. — Some cumuli came on at 2 & a little wind, but had been none before. — Very fine chiefly clear and extreme hot. A sudden breeze after 3pm for a little time. Therm^r 5pm 66° & at 8 — 55. — Sun set deep red in blue haze. —
Thursday, April 11.	·13 ·04 ·02	SW 1. SW 3. W 3. 4. W 1.	42	51	63	Fine sunny morn^g, cirri & cirrocumuli followed, more wind & afterwards cumuli, not so hot, but very fine & pleasant, mixed clouds and sun. — At 4pm Arcs of dappled cirro-cumuli. — Sun set behind dark clouds less wind, & chiefly clear even^g. Therm^r 50° at 8pm, — stars bright. —
Friday, April 12.	·06 ·01 29·91	NW 1. W 3. SW 4. S 5.	38	47	61	Bright sun with cirri & cumuli during the morn^g & till near 5pm, then hazy & more clouded, gusts of wind & stormy sky. Even^g quite clouded and windy, little rain after 8pm, Therm^r then 50°. wind veering back to Southward.
Saturday, April 13.	·70 ·82 ·92	WNW 3. W 3. W 2.	46	50	56	Gentle rain through the night till about sun-rise — cloudy but fair, became very fine, little sun & mixed clouds, chiefly dark cumuli. — Pleasant evening, less wind, more or less cloudy. Therm^r at 8 pm 51°. — Night cloudy. —
Sunday, April 14.	·97 30·05 ·14	WNW 4. W 2. W 1. W 0.	47	52	60	Little showers early, bright morn^g with cumuli & wind. Very growing weather. — Fine & pleasant day, cumuli, mixed clouds and sun, with fresh breeze. — A few drops at 4pm, less wind —. Very calm & lovely even^g, cloudy & soft. Therm^r at 8pm 53°. —
Monday April 15.	·24 ·21 ·22	W 1. W 3. WSW 1.	47	52	64	Very fine, warm, and pleasant, chiefly bright sun, rocky cumuli, and cumulostrati clouds, with fostering breeze. Evening mild and pleasant, less wind: blue horizontal lines of clouds & rosy sky. — Therm^r 54° at 8 pm. —
Tuesday, April 16.	·31 ·32 ·35	WSW 1. SW 2. SSW 2. 1. & 0.	48	55	66	Light cloudiness, but fine and very warm, many clouds continued, chiefly heavy cumuli & cirrostrative blue vapour, but bright at times, fine & warm day: — much blue haze at 4½ pm, few drops, & more wind. Evening sunny & no wind. Pale silvery sky. Rosy sun-set, very mild — 8pm 55°.
Wednesday, April 17.	·35 ·31 ·25	SE 1. SSE 3. SSE 2.	45½	55	69	Clear, very bright and hot, with cirri, dappled cirrocumuli, and some cumuli, the cirri folding over the crowns of the cumuli. About sunset the west was tinted like tarnished silver, sun red, with rather electric clouds. 8 pm Therm^r 55°. — Delightful summerlike weather. —

New moon 4 pm. —

April 1844.

1844.	Barometer	Point & force of wind.	Thermometer out of doors: Lowest early	8 a.m.	Highest State	State of Weather, Clouds, &c. —
Thursday, April 18.	30·23 ·28 ·37	WNW, 1 NW 2. N 1. & 0.	44	53	67	Clear, very fine, with arcs of cirrocumuli white & dappled from SW to NE across the lower current. Chiefly very bright till 1 pm – curdy cirrocumuli in flocks with upper current from SW, and cumuli in the lower from NW: very electric. More cloudy after 1 – undulated clouds, and a few drops – but continued fine & again clearer. Clear & red sun set, calm & cooler. Cirri in zenith. 8 pm Ther 47°. —
Friday, April 19.	·46 ·48 ·44 ·45	NW 0. W 1 W 1 & 0.	38	51	66	Pale haze but chiefly clear, thin clouds & haze more or less but very fine & exceedingly pleasant. bright with less haze about noon: cumuli & dusky haze during afternoon very close & still, with gleams of sun. — Even^g cloudy and calm, very warm & close. Therm^r at 8 pm 56°. — Sultry & cloudy night.
Saturday, April 20.	·42 ·37 ·32 ·35	W 0. WNW 2 W 2. WNW 0.	49	55	69	Cloudy, calm & close, became clearer at 10 – a very fine & sultry day, dark cumuli, & sun, with haze & mixed clouds at times. Strong electric smell in the air, darker haze and little rain near 6 pm, Therm^r only down to 62°. – & at 8 pm 58°! Very close, calm & cloudy night. —
Sunday, April 21.	·35 ·33 ·32	NW 0. W 0. E 1. ESE 0.	51	58	66	Thin haze, light clouds & sun, lovely morn^g, even like summer! more clouded after 12, much blue haze & cirrostrati, & little wetting at 3 & 4 pm. Fine evening but cloudy. a sudden veering of wind at 3 pm. – Calm night. Th^r 54° – 8 pm. – Clearer at 10 pm. Stars seen.
Monday, April 22.	·27 ·25 ·28 ·30	SW 0. W 1. W 1. NW 2–0.	47½	58	71	Bright and very hot; cumuli came on at 11 – but chiefly sun, and very electric looking. Very fine hot, & sunny afternoon. – cirri, cumuli & mixed clouds: became rather black at 6 pm westward. & so continued, little breeze but soon calm again. Cloudy & close even^g, Therm^r 57° at 8 pm. —
Tuesday, April 23.	·35 ·28 ·22	Var 0. W 1. SW 2. SW 2. –	44	54	68½	Clear red sun-rise, very bright all day a few streaks of cirri, and little more wind after 1 pm. Very fine and real summer weather continues, and nearly all the trees are in leaf! – Even^g clear except cirrostrati on the NW horizon. Th^r 56 at 8 pm. –
Wednesday April 24.	·15 ·24 ·31	W 4. WNW 5 WNW 2 1 & 0.	47	52	65	An arc of mottled cirrostratus all the morning from SW to NE, but fine & sunny in general, large cumuli with squally wind till noon, then clearer & less wind. very bright and warm afternoon; wind abated fast. Evening clear & calm – 8 pm Th^r 51°. —
Thursday April 25.	·33 ·31 ·26	Var. 0. SSE 1. SE 1.	37	52	69	Very clear & calm, heavy dew, & no wind. – Quite clear & very bright all day, hot with light breezes – afternoon. – During even^g flocks of cirrocumulus dappled the SW & W. – Th^r 52 at 8 pm. –
Friday. April 26. □ ♂ ♄ Night cloudy more or less. – lightning S.	·18 ·13 ·15 ·18	SSE ½. Var. 0 & 1. Var. 0. N 5. 4. 3. & 2. – NNE 2	44	60	78	Very clear & splendid morn^g, some curly cirri from westward at 10 a.m., but still very clear & very hot, continued very bright, and extremely hot, no wind. – Therm^r at noon 76°. at 1 pm 78 & so for near 2 hours. 5 pm only down to 71°. – Little hazy and dappled – very electric looking. – During the even^g – black rocky clouds, & knotted cirrocumuli, more electric. – Thunder in SW. before 8, & gale from North driving up the dust. – Therm^r 61° – 8 pm. – Continual lightning in South during night, and clouds.

April 1844.

1844.	Barometer	Point, & force of the wind.	Thermometer out of doors: lowest State	8 a.m.	Highest State	State of Weather. Clouds, &c. —
Saturday, April 27. □ ☉ ♄	30·33 ·38 ·40	N 3. N 3. Var 0.	46	52	66	Clear morn^g, fresh breeze & no dew, the distant Thunder-clouds glided off by SE. – Bright day very fine and parching, but less hot. – Cirri during afternoon, which became more general towards even^g – with a bright Mocksun S of sun at 5½ pm. – The wind fell to calm at ☉ set. – Chiefly clear, but thin haze & faint halo about ☽. Therm^r 47½. at 9 pm. – Cool by contrast after the heat.
Sunday. April 28.	·49 ·48 ·47 ·49	N 0. NE 1. E 2. SE 0.	37	53	67	Clear & dewy morning. very fine and bright day with cumuli clouds, & little wind. – After 3 pm more wind, white haze, and cumuli, but chiefly bright, & the wind veered about the East. – Clear even^g, pale twilight, & very cool. Therm^r 47° at 8½ pm.
Monday, April 29. □ ♀ ♃	·45 ·41 ·41	ESE 1. E 4. E 3. & 2. –	35	48	60	Clear with heavy dew & very cool morn^g, low clouds followed but soon cleared again. Very fine and clear day, but cold wind. Clear and very cold evening & the more so to the feelings after the heat we have long had. – Therm^r at 9 pm 42°. – Night warmer & more wind.
Tuesday, April 30.	·45 ·44 ·46	ENE 3 ENE 3 & 4. NE 3.	41	55	67	Very bright with parching breeze, pleasant and warm: a few cirri, no other clouds. – More wind during afternoon, and cirri with bright sun. – Red cirri in broad sheets with scuds at ☉ set. – Th^r 46° at 8 pm. –

Results for April 1844.

Barom^r			Thermom^r		
Highest on 9^th	—	30·57	Highest on 26^th	—	78°
Lowest on 13^th	—	29·70	Lowest on 8^th	—	33·5
Range	—	0·87	Range	—	44·5
Mean of the month		30·2426	Mean of the month		54°·09!

Prevail^g wind W. Rain 3 tenths. Evaporation 4·18 In. Fine days 27 in number!

This month was most splendid & magnificent, for fineness, brightness, and warmth, beyond any recorded! – All nature in perfect verdure during the month, and it was a perfect summer throughout the month. – It was the earliest season on the whole that we have upon record, and the continued blue skies & splendid sunshine will long be remembered. The Cuckoo was heard on 10^th. and every tree was in leaf by the end – and the Hawthorn just opening! —

May 1844.

1844	Barometer	Point & force of Wind	Thermometer Out of doors lowest early	9 a.m.	Highest State	State of the Weather, Clouds, &c.
Wednesday, May 1st.	30·52 ·53 ·58	ENE 1 ENE 3. E 3.	40	62	70	Very clear, and gentle breeze, which became brisk, but very bright all day, no cloud but distant collapsed cirri in white lines SW. – Very warm in spite of the wind. Clear even^g, less wind, 8pm Th^r 52°.
Thursday, May 2nd.	·58 ·54 ·50	E 1. NE 3. & 2. NE 2.	42	62	70	Quite clear, continual sun, very fine, bright and hot day, no cloud but undulated lines of white haze at times, and collapsed cirri in WSW. pm. – Full moon 3pm. – Clear even^g & night, some wind. –
Friday, May 3rd.	·36 ·34 ·35	NE 3. NE 4. NE 3.	44	59	63	Clear morn^g, some scuds & cumuli at 8 a.m. more wind. Larger cumuli with sun, very fine & mostly bright, but a cool wind. An Arc of cirrostratus rising in the E & SE, after 4 pm. – Cloudy even^g after 8 pm. –
Saturday, May 4.	·28 ·25 ·27	NE 4. NE 3. NE 2	48	55	66	Cloudy & cooling breeze, little gleams of sun, clearer at noon & the afternoon chiefly bright, dappled sky & scuddy cumuli, rather electric. – Evening cloudy & not cold, wind less, & Barom^r again rising. –
Sunday, May 5.	·21 ·15 ·13 ·14	N 1. ENE 2. E 2. E 1.	49	62	74	Clear morn^g, no clouds, but a general haze through which the sun shone a rusty red, very sultry heated air, although a North wind! – Continual sun, very bright, less haze, & very hot, some small electric white clouds in rather knotty forms. – Sun set in a general grey haze. – 8pm Th^r 58°. –
Monday, May 6.	·03 ·01 ·00 ·01	ENE 1. E 2. E 1. & ½.	47	64	73	Clear, little haze, & curdy white cirrocumuli but still bright & very hot, more electric, but less haze. – Continued bright, but some rocky cumuli all the afternoon. Evening quite clear, & the sun set in deep orange splendor. Th^r 58° then. –
Tuesday, May 7.	29·94 ·98 30·03	NW 0. NW 0. 1 & 4. Var. 0. SE 1. & 0.	46	61	76	Very fine and close morn^g, no cloud, but a general dense grey haze, the sun a deep copper-tint, shining a rusty red into the rooms. Very close and hot day, continual haze, blue on the fields, & cream-colour on the sky, some cumuli very rocky at 1 pm, and rather black in NW, thunder very near followed by wind a few minutes & a little rain, but after 3 – it became calm and clear again. Continued haze in which the sun set very red. –
Wednesday, May 8.	·10 ·14 ·14	NW 0. NW 0. SE 1. SE 0.	45½	57	77	Fog till 8 a.m., cloudy till 9, afterwards clear some dappled cirrocumuli at 10 & 11, very bright and very hot, no wind, – rocky cumulus & cumulostratus clouds during afternoon. a few drops & very electric mixed clouds after 3. and Therm^r 77° for an hour. Sun set red in haze as before. & Th^r 58°. –
Thursday, May 9.	·12 ·11 ·11	Var 0. Var 0. SE 1. S 0.	43	61	76	Fog till 7, soon cleared: very bright, no wind, very hot day; some cumuli at noon, and very electric mixed clouds during afternoon. Wind from SE at 3pm, not so hot as before. Dark clouds all the even^g, and a dappled Arc from SSE to NNW. – Close even^g. Th^r 58 at 8. Cloudy & close night. –

☞ The extreme drought and heat of these 6 weeks past are very remarkable, and all nature is in full summer garb! – Laburnum in flower for some days past! The haw-thorn very full open! –

May 1844.

1844.	Barometer	Point, & force of Wind.	Thermometer Out of doors lowest early	9 a.m.	Highest State	State of the Weather, Clouds, &c.
Friday, May 10.	30·05 ·07 ·05 ·05	WNW 1. NW 3 W 3. W ½.	50	60	66	Morning very close, cloudy & hazy, & little rain gloomy with dense haze & little sprinkling at times till near 1pm, afterwards again fine with cumuli large & loose, cirrocumuli & sun; Brighter after 3, smaller clouds & more wind. The clouds during these 4 days have been in many different currents at the same time. – Even^g clear & calm. Distant cloud on W horizon.
Saturday, May 11.	·10 ·13 ·18	NE 0. N by W 1. NE 3. NE 2.	37	59	65	Clear, very cool & heavy dew, much warmer as day came on, bright with sheets of mixed cloud during forenoon, more clouded after noon, & cool breeze. – Evening quite clouded with low clouds, the sun appeared before setting. – Some wind & more or less cloudy. –
Sunday, May 12.	·30 ·36 ·39	N 1. NE 1. NE 0.	51	56	63	Cloudy, but warm although a N. wind. Cloudy more or less till 3 pm, with gentle wind, and not cold. Bright after 3, with light cirri diverging upward in N. – Clear & calm even^g, very pleasant. Fog at midnight. –
Monday, May 13.	·46 ·47 ·48	Var. 0. N ½ NE 1. N 1. SE 1.	44	63	75	Fog early. Morn^g quite clear, some cirrocumuli at 9. in curdy flocks, very fine & very hot chiefly sun with cumuli clouds, the wind but very little, but veering about the N. and at 3pm to SE. afterwards fell away to perfect calm, & a hazy, red sun-set. Therm^r at 9 pm over 56°. – Pleasant & beautiful – but more hazy.
Tuesday May 14.	·45 ·44 ·47	NW 1. N 2. NE 2.	43	68	72	Clear morn^g, very bright, a few feathery cirri in N. sudden increase of heat during the forenoon bright sun & cumuli, but more cloudy after 12. many clouds & but little sun, yet very close for a North wind. – More clouded & much cooler after 5 pm. –
Wednesday, May 15.	·48 ·44 ·48	N 3. N 4. N 2	43	54	60	Sun at times, stormy looking sky, large loose groups of low cloud & rather nimbiformed. – Chiefly cloudy with sun, & very cool breeze. Less wind & more settled at even^g, but cloudy more or less. – A few drops during day.
Thursday, May 16.	·38 ·26 ·14	NE 1. Var. chf^{ly} N. SE 1.	47	56	67	Cloudy with sun, fine and pleasant, chiefly sun till after 1 pm, an upper arc of white dappled cloud from SW, and some dense cumuli below from N-ward. – More cloudy & very gay at 3 pm. Hazy & cloudy even^g, mottled sky. –
Friday, May 17. New moon 9 A.M.	·00 ·05 ·06	WNW 1. N 3. NNE 4. N 3.	43	55	55	Somewhat cloudy but chiefly clear & fine morn^g, a sheet of curdled cloud at 7, and after 9 became quite clouded with little rain till 11, afterwards fine but cold, windy, & less pleasant than for weeks past. Dark raggy clouds, little sun. – Therm^r highest 9 a.m., since that only about 44° to 51°. and at 8 pm 42°. Hasty flights of rain just before then. Raggy nimbi clouds. –
Saturday, May 18. *☉ 4	·03 ·08 ·16	NW 2. NNE 4 NE 4. NE 3.	36½	49	55	Cold & stormy atmosphere, bright sun, & very rocky clouds of large extent passing. – Little flights of rain from rocky nimbi, & sun between. boisterous & very cool, but the rain very trifling. – A little hail 4 pm. Even^g chiefly clear, some wind, & not so cold as last even^g, 8 pm Th^r 45°. –

May 1844.

1844.	Barometer	Point and Force of Wind	Thermometer out of doors: Lowest early	9 AM	Highest State	State of the Weather, Clouds, &c.
Sunday, May 19.	30·12 ·14 ·12 ·11 ·14	NE 6. NE 6. NE 4.	42	50	56	Thin flying clouds, and strong blustering wind the same more or less all day, sun gleaming at times: the ground strewed with leaves & shoots from the trees - taken off by the gale. Scuds or loose cumuli below and cirri in fleecy forms above in a current from ESE. - 8 pm Th: 47° rather less wd - but still blowing.
Monday, May 20.	·10 ·12 ·08	N 4. N 5. N by W 4.	44	55	61	Loose cumuli, scuds & sun, with blustering wind. Fine day, and bright sun, but windy with loose cumuli. - Evening quite clouded, and a very little wet now & then. Therm at 8 pm 48½°.
Tuesday, May 21.	29·96 30·10 ·18	NW 1. E 1. ESE 2. ENE 1.	47	55	63	Rain from 4½ AM to 6 AM, overcast & foggy till 9 am, but soon clearer, and at noon became bright with cumuli clouds, and some cirrocumuli in knotty forms above them; also silvery locks of cirrus, cloud. - Very sunny & pleasant afternn; more dappled & electric during evenǵ, & red rocky clouds on SE horizon. 8 pm Th: 54°. -
Wednesday, May 22.	·28 ·31 ·29 ·32	Var 0 NNW 1. N 2. NNE 2.	51	57	65	Cloudy but thin, & little fog, clearer after 10, and fine but chiefly cloudy with low misty clouds and sun at times. Evening quite clouded and rather misty, with a breeze, and at 8 pm Th 51°, afterwards more fog & wind.
Thursday, May 23.	·26 ·26 ·27	N 3. ENE 3. NE 2.	48	55	69	Much fog & very low clouds; less foggy & clouds higher at 10, soon cleared, and at noon quite clear & wind more Eastwd. Very fine & hot, no cloud and parching breeze. Sun set clear & rather copper-coloured. Evening again cloudy Th 55 at 8 pm
Friday, May 24.	·22 ·17 ·14	N 3. NE 3. NE 4.	47	56	65	Cirri in many forms, scuds below, but chiefly sun & drying breeze. - Very fine & bright with cool wind, and much cirrus in white grained lines & curls, and small loose cumuli clouds. Evenǵ more clouded. Th at 9 - 50°.
Saturday, May 25.	·17 ·21 ·26	NE 4. NE 4. NE 3.	46½	51	62	Very cloudy till after 10 a.m. then cleared off but very windy. Quite clear after 12. very bright but a cool & brisk wind. - During evening some raggy clouds again came on, but less wind, yet at 10 pm more wind, & Th 47°. - Red west at 8.
Sunday, May 26. Whitsunday.	·24 ·29 ·31	NNE 4. N 5. N 4.	42½	53	58	Flying clouds & hasty light showers, with boisterous wind, and sun at times. Very stormy sky, and cool for the season. At 2 pm, and just before 8 pm - darker clouds & larger showers.
Monday, May 27.	·29 ·28 ·30	NNE 3. NE 3. NE 3.	42½	53	57	Large rocky clouds, small showers flying, and sun at times. Some hail a little after 12 and dark clouds, but more fair & sunny during the afternoon, with cumuli, but less of them. - A clear yellow sun-set but a dusky Arc of haze in SE, & grained cirri SW. -
Tuesday, May 28.	·19 ·15 ·15	NE 3. NE 5. NE 2.	44	58	60	Gay, knotty & electric beds of cloud, chiefly sun till noon, but a dark Arc of cloud drawing on from SE across the lower current, became covered by undulated cloud, & wind boisterous, but warmer than some days of late. - Evenǵ overcast, and dark scuds below.

May 1844.

1844.	Barometer	Point and Force of Wind	Thermometer out of doors: Lowest early	9 Am	Highest State	State of the Weather, Clouds, &c.
Wednesday May 29.	30·09 ·09 ·11	NE 3. NE 2. NE 2.	47	54	59	Cloudy more or less, few drops, & brisk wind; Fine from 9 a.m. till 4 pm, but cloudy, and after 4 - become so - with little rain, overcast evening some dark clouds, and gentle rain. - Continual gentle rain during night. -
Thursday May 30. □ ♂ ♃	·11 ·15 ·17	N 2. N 2. N 1.	46	55	64	Cloudy & gentle rain till 8 a.m. fine day & in part clear after 12, cumuli with sun, & spongy cirri above. - Evening quite cloudy, and very little light wetting after 9 pm. Night cloudy. -
Friday. May 31. Full moon & total eclipse 10 pm. -	·17 ·20 ·21	Var 1. ENE 3. E 2. E 1.	47	57	66	Cloudy, little wetting early; fine & clearer after 9, and wind veered to E-ward, with loose cumuli & sun. Very bright afternoon with small cumuli. Clear orange ☉ set, no cloud. - Fine night and favourable for viewing the Great Total Eclipse of the moon at 9. 10. 11 & 12 pm. - The appearance was truly grand during the coming on & duration of total obscuration - the moon was still visible, but of a deep copper colour. - Th 50° at 9 pm.

Results for May 1844.

Barom:	Highest on 1st & 2d	30·58	
	Lowest on 7th	29·94	
	range	0·64	
	Mean of month	30·22	
Thermom:	Highest on the 8th	77°	
	Lowest on 18th	36½	
	range	40½	
	Mean of month	55°·186	

Prevailing winds NE & N; rain only ·36 of an Inch, evaporation 4·42 Inches, and the number of fine days was 27!

General report for May 1844.

This was a very dry month, and the former half very hot, so as to constitute a remarkably early Spring. - The unusual drought for 10 weeks past is now becoming serious in its effects upon the fields & gardens. The heavier soils exhibit wide fissures and the grass is seared away. A very light hay crop is promised, and the barley late set cannot germinate at all, whilst many fields which were intended for barley cannot yet be planted with it at all, being too hard & dry to insert the grain! - Water very rare in the rivulets, &c, and all nature is parched. - Some colder weather again of late for a short time, but on the whole a most remarkably fine and warm Spring, and not unhealthy in these parts. -

JUNE 1844.

1844.	Barometer.	Point and Force of Wind.	Thermometer Out of Doors Lowest	9 am	Highest.	State of the Weather, Clouds, &c.
Saturday. June 1st.	30·17 ·13 ·13	NE 2. NE 2. NE 2.	45	60	67	Clear, bright sun & brisk wind; very bright all day, no cloud, but a cool wind moderating the Solar heat. Clouds came on at 8 pm, and the night became quite clouded, and rather windy.
Sunday, June 2nd.	·11 ·12 ·13	NE 2. NE 2 NE 2.	47	52	60	Quite clouded, and cool breeze, nearly the same all day, but some gleams of sun at times during afternoon. A very pleasant day for rural walks. – The effects of the long drought very apparent now. – The lands hard & cracked and grass &c short. Cloudy night.
Monday. June 3rd.	·18 ·23 ·30	NE 1. N 2. Var. 1. S 1.	46	56	65	Cloudy morng, but soon clearer, many cumuli and bright sun between them. At 7 pm a dark Arc of cloud in SW, and a dappled train glided over across the SW at 8 pm. wind to SW & S, and warmer. Pleasant & still eveng, little hazy. –
Tuesday, June 4.	·28 ·22 ·18 ·19	SW 1. SW 2. WSW 1. SW 3.	47	64	76	Chiefly clear, very fine and very hot, some cirrocumuli and cumuli clouds, rather electric looking. The wind this afternoon was at times calm, and at other times in sudden gusts, and the clouds lumpy & more electric. but chiefly sun: Eveng hazy with tufts of cirri, and reddish ☉ set, more wind, but very close, & Th. 64° at 8 pm.
Wednesday, June 5.	·14 ·04 ·04	SW 1. SW 3. S 3.	53½	70	79	Dappled cirrostratus & little haze, very close. – Bright sun, less cloud, after 8, very fine, and very hot, chiefly sun, with cirrocumuli, & small bright cumuli clouds. More hazy after 4 pm with mottled clouds & hot breezes. A few drops – 8 pm. Th. 66°. Sultry night. –
Thursday, June 6.	29·92 ·88 ·93	SW 1. SSW 2. SW 3. SW 3.	56	64	70	Very close and electric with curdy clouds, and black undulated veil in SW. – Little rain from 8½ to 9 a m, & little flying showers during the day, not enough to darken the dusty sod. Very rocky clouds and sun at times, with a warm breeze. – Eveng rather cloudy with wind but very warm. 8 pm 63°. –
Friday. June 7.	30·04 ·02 ·03	SW 3. SSW 4. SSW 5. 4 & 3.	55	67	71	Cloudy more or less, more sunny and hot after 8 a m – some mixed electric clouds. – A fine day & sultry warmth, but very windy with much cloud, dusky cumuli, and sun at times. Eveng hazy faint halo, thin cirrostrati & wind. Th. 60 at 10 pm. –
Saturday June 8.	·15 ·21 ·18	SW 2. W 3. SW 1. SSE 1.	53½	70	79	Thin haze & cirrus cloud in white tufts, but sun chiefly very bright, very fine & very hot, More haze about noon & strong halo: – became very close; beautiful flocks of white lumpy cirrocumuli, very gay and electric: less wind, and extremely hot. Eveng the same, and deep orange sun-set, Th. at 9½ pm 61° – but the horizon not clear westward.
Sunday, June 9. □♂♅	·12 ·12 ·13	WSW 0. WSW 1. W 2. W 1.	54	64	76	Hazy & cloudy, close morng; no dew; cloudy till near noon, and very distant Thunder in SW till after 12. – Clearer, bright sun, and cumuli, very hot and electric. Some cirrocumuli in curdy flocks Some dark and rocky clouds during the eveng, and a shower passing the NW at 9 pm. – Very close night, Therm at 10 pm 62°! Most delightful summer weather.

JUNE 1844.

1844.	Barometer.	Point and Force of Wind.	Thermometer out of Doors lowest	9 am	Highest.	State of the Weather, Clouds, &c. –
Monday, June 10. △♀♃	30·18 ·18 ·19 ·17 ·20	SW 2. WSW 2. W by N 2. SW 1.	52	62	72	Chiefly bright at first, very electric curdy flocks of cirrocumuli, and rocky heads crossed by stripes of cirrostratus, much low thin cloud about 9. – Chiefly fine and sunny, but dark clouds & showers passing round – a few large drops here. – Very rocky clouds, electric state, and very hot. Evening bright with rocky cumuli, but smaller. – Orange sun set. Th. 62° at 8 pm.
Tuesday, June 11.	·30 ·33 ·31	WSW 1. W 3. W 2. & 1. Var. 0.	47	69	78	Very bright orange lake ☉ rise. – Rocky cumuli during the day, and cirri folding over their crowns at times. – Very fine, sunny, and very hot. – The wind sometimes brisk, and at others very gentle. – Therm highest just before 12, which is singular, as the weather continued the same. – Very beautiful mixture of grained cirrus and dapple cloud all the eveng more electric and close. 10 pm Therm 63°! –
Wednesday, June 12.	·30 ·25 ·23	SW 1. WSW 2. SW 2. SW 1.	52	71	82	Very clear and bright morng, and the same till noon with but little wind, some cumuli and cirri during afternoon, more wind, but extremely hot. – From 12 till 3 the Therm continued about 81° and 82°, and not under 80° till 4 pm, – at 5 – 77°; & at 8 – 70°! – Very hazy and close sultriness, – less wind, – more mottled & gay after 8 – and more wind – but very hot.
Thursday June 13.	·11 ·05 ·04 ·07	SW 4. WSW 6. WSW 6. WSW 4. One clap of very distant thunder SW. at 4 pm. –	61	74	87	Beautiful dappled sky, very white curdy clouds in flocks o'er the clear blue, also some elliptical cirrostrati, bright sun, & very hot breeze all the morng, and exceedingly electric looking. – Very bright till about 2 pm, and most excessively hot. The wind blowing with oppressive heat upon the body! Therm at 11 am 83°, noon 85° & from 1 till 2 pm 87°. – Small cumuli followed – afterwards much grey cloud – but still unusually hot. Eveng clearer again, few small clouds – less hot. little lightning far in SE quarter. – 10 pm 65°.
Friday, June 14.	·11 ·13 ·14	W by S 5. W 5. W 5. W 2.	56	69	75	Windy with flying cumuli, but chiefly sun and very hot and parching, although less so than the preceding days. – During eveng much less wind and yellow twilight. – The drought is becoming a matter of great concern. ——
Saturday, June 15.	·10 ·14 ·19	W 5 WNW 6. NW 3.	55	64	72	Flying cumuli, raggy, and large, with boisterous wind, and bright sun: the cumuli in the afternoon more dense & rocky, rather electric: rather coppery sun-set, some cirrostrati of great extent. Less wind and fine night. –
Sunday, June 16. New moon 1 am	·27 ·31 ·35	NW 2. WNW 2 WNW 1. SE 1.	50	59	69	Very fine, much less wind, cumuli & sun; many cumuli, and sun at times, but very pleasant, and still less wind: – veered to SE about 6 pm, dusky clouds and very red sun-set. – Calm cool and dewy night, strong twilight.
Monday, June 17.	·33 ·24 ·17	SSE 0. SSE 3. SE 2.	42	68	74	Heavy dew, calm, clear, and red sun rise: – very bright and hot between 8 and 10, afterwards sudden breezes, and mixed clouds – cirri and cumuli. – Very much dappled all the eveng, flocks of curdled cirrocumulus – very electric sky. – Continued so during night and more hazy. ——

June 1844.

1844.	Barometer.	Point and Force of the Wind.	Thermometer out of Doors: lowest early	9 a.m.	highest State	State of the Weather, Clouds, &c.
Tuesday, June 18.	29·98 ·89 ·86	S E 1. E 3. E 2. 1. & 0.	54	61	67	Hazy and thick, little gentle wetting during the morning, clearer after 9, fine day, dappled and gay sky, also cirri and haze, sun and wind. – Dark in the S, electric looking, the clouds rising across the lower current. Much mottled cirrostratus all the even^g.
Wednesday June 19.	·96 30·03 ·13	WNW 1. NW 0. NW 0.	52	62	62	Many cumuli & cirrocumuli with bright sun, during the morning, but became very cloudy with dark and heavy clouds, and at 11½ a m began to rain. Very distant thunder in SW during forenoon – gentle rain at times all the afternoon, and very dark clouds. – Even^g cloudy & distant Thunder.
Thursday June 20.	·17 ·12 ·08 ·11	SW 2. SW 3. SW 4. & 3. –	49	61	67	Hazy with some sun, & many clouds, some dark and undulated. – Chiefly cloudy in the middle, and gentle rain between 1 and 3 pm, afterwards at times bright with mixed clouds, and wind. Clouds more electric during even^g, some bright and others rather black, and much divided. Wind more to West at 9 pm, & Therm^r 62°.
Friday. June 21.	·10 ·04 ·09	WSW 2. WSW 2. SW 1. & 0.	55	67	80	**Summer Solstice, Longest Day.** – A very electric sky, chiefly sun, much mixed cloud, curdy cirrocumuli forming dappled beds. Continued bright and very hot; beautiful electric mixture of small clouds at noon & after, in many fancy forms. – Thin haze and cirri in thick tufts. Very close even^g, black and gay dappled clouds West & South. 6 pm Th^r 74° – and at 8 – 69°. Dense black cumulostrati passing in groups at 9 & 10 pm. Very distant lightning W and S. –
Saturday, June 22.	29·88 ·95 30·00	W 1. W 1. W 0.	58	70	81	Little haze, close, & very electric during the morning; became very clear, bright with cumuli clouds, and extremely hot. Evening splendid & true summer weather. – Excessive hot and chiefly clear & no wind. Therm^r at 6 pm only down to 76°, at 8 pm 70°, & at 10 pm 66°. – Clear night.
Sunday, June 23. { The extreme heat and drought surpasses any thing on record.	30·02 ·01 29·98	SW 1. SSE 2. SSE 2 S E 2.	53	73	89	Hazy & electric, & a few drops about 6½ a m, became very bright and very hot, the whole day chiefly bright and excessively hot & oppressive. – Many of curdy cirrocumulus clouds, and at 1 pm – a thick sheet of them came over: just before then the Therm^r stood from 87° to 89°. Wind in gusts at times. At 4 & 5 pm, most beautiful electric clouds in very white and lumpy specks, sun very bright, and Therm^r not under 80 till 5 pm! and at 10 pm 68°.
Monday, June 24. This is the hottest we have had in England for 36 yrs! □ ☉ ♃ At 2½ miles SW of Thwaite a severe storm at 5½ & 6 pm. hail stones very large smashed the glass, and greatly injured the growing crops. – Also in the neighbourhood of Halesworth – much injury by very large hail – same even^g.	·88 ·85 ·83 ·85 – 8 pm.	S E 1. SSE 2. S 2. SSW 2. Var. 1.	62	83	92	No dew – but very fine & bright, with beautiful flocks of very white, and small lumpy clouds, like curd, – and extremely hot, Therm^r at 7 a m 70°, at 8 – 76°; at 10 – 85°: at noon 90°, at 1 pm 92°! and continued between that and 90° till 3 pm, chiefly very bright, and very gay with dappled cirrocumuli, and most excessive hot. – Black rocky nimbi passing West at 3 & 4 pm – with lightning, and continual Thunder about 8 miles distant, passed to North. 5 pm Therm^r 84°, & not bright at the time. – Rocky and black with thunder SW & E – at 5 & 6 pm. – Heavy thunder storm, vivid lightning & continued Thunder till 7 pm, and the shower very heavy at times: thunder more or less distant all the even^g Eastward after the storm. Again clear & fine, the Therm^r not down to 80 till 6 pm – at 7 – 71° just after the storm, and at 8 the same & 68 at 10 pm: – became cloudy at midnight. –

June 1844.

1844.	Barometer.	Point and Force of the wind.	Thermometer Out of Doors: lowest early	9 a m	highest State	State of the Weather. Clouds, &c. –
Tuesday, June 25.	29·75 ·74 ·79	NW 2. Var. 0. Var. 1. NW 2.	62	64	64	Quite clouded & much blue haze, but close. Thunder in SE & S from 8½ a m, near and loud Thunder and vivid lightning from South East, very black; and exceedingly dark within doors – continual Thunder and heavy rain from 10 a m, – rain more or less and very dark, – continual rain all day: Therm^r highest 9 a m, fell during afternoon under 60°, & at 8 pm 50°, – and still raining but less. – Therm^r rose after 8, and the rain was heavier till 11 pm.
Wednesday. June 26.	·83 ·90 ·92 ·93	W 1. W 1. S E 1. & 0.	50	58	70	Cloudy but fine, clearer after 10, fine – very pleasant, and sun at times. Many dark clouds of mixed kinds, some rocky. In the evening more cloudy, gloomy, and very close, but the NW sky was clear and bright. Wind veered to Eastward after 5 pm. Night cloudy in part but fine. –
Thursday June 27.	·98 30·02 ·02	NW 0. NW 1. NW 0.	54	60	63	Cloudy – but clearer at 9 a m; fine day and pleasant, very little wind, but chiefly more or less cloudy with gleams of sun: Evening the same, but clear in WSW. no wind. rather cool – compared with the recent heat. –
Friday, June 28.	·07 ·13 ·18	WNW 1. NW 0. NW 0.	49	62	66	Hazy & thin clouds, close with dim sun, and bright coloured halo. Chiefly cloudy & close but very fine, and electric above very curdled, in upper stratum. Scarcely any wind, & little sun; very much dappled even^g & night, red & clear sun set, & no wind. –
Saturday June 29.	·20 ·17 ·19 ·20	W 1. W 1. N E 2. E 2. 1 & 0.	47	65	76	Thin cloudiness – but soon clear and hot, dappled and gay, with some electric small cumuli. Very fine, chiefly sun, & very hot, little haze, and small electric clouds. W^d to N E – 2 pm, but the clouds still came from Westward. – W^d then E – and ESE. – Pure golden sun-set, more red when just setting. Grey haze below – clear & calm. –
Sunday. June 30.	·13 ·08 ·05	E 1. ESE 2. S E 2.	53	62	67	Thin grey clouds from West – against the lower wind and some lower ones from SE, but fine, warm, and chiefly sun till 10; cooler with much cloud at noon & till 2 pm, afterwards clearer. – Most of the clouds all day moved directly opposed to the lower current. – **Full moon at 6½ A M.** –

Results for the month of June 1844.

Barom^r.	Highest on 16^th	30·35	Thermom^r	Highest on 24^th	92°!
	Lowest on 25^th	29·74		Lowest on 17^th morn^g	42
	Range	0·61		Range	50
	Mean of month	30·09		Mean of month	62·766

The prevailing wind was SW, – rain 2·29 In, Evaporation 5·60!, and fine days 26. –

This was a most splendid summer-month, and producing the greatest heat that has been known here for 36 years. The whole rain of the month, except a very little, – fell in 2 days, which was a most merciful supply after the violent drought of 13 weeks. – Grass feed, hay grass, and clover are extremely scarce, and much of the corn crops equally short, and the land exhibits wide gaping fissures large enough to admit our feet. – A great benefit has already shewn itself in the fields – from the shower, as all the landscape is more verdant. –

July 1844.

1844	Barometer	Point and force of wind	Thermometer Out doors: lowest early	9 a.m.	Highest State	State of the Weather, Clouds, &c.
Monday July 1st.	30·02 ·05 ·02	SE 1. SE 1. SE 1.	50	65	69	Little haze, light clouds, & cirrocumuli in flocks, chiefly sun & very fine morng; an Arc of mottled cirrostratus rising from WSW and passing over us before noon, across the lower breeze, bright and dappled afternoon, very fine & pleasant; another arc of darker cloud lying West 5pm, & rising as before: Distant thunder in West all the afternoon. – Electric clouds in the eveng, and hazy. –
Tuesday, July 2.	29·98 30·00 ·05	W 1. Var 1. E 1. NE 2.	55	64	65	Cloudy and very close, more fair & sunny at 8 – but soon hazy and very little rain at times, black in the West 1pm, distant thunder, & still very close. Little shower soon after, cooler & wind to NE. – Clearer but many dark clouds about. Calm eveng with many clouds. –
Wednesday, July 3.	·07 ·03 ·02	Var 0. SE 1. SE 2.	48	64	71	Clear morng, & no wind. cumuli and cirrocumuli followed, but mostly sun, very fine and hot. More wind and darker clouds during afternoon, Evening clouded and gloomy, rather black and threatening Southward. Close night. –
Thursday July 4.	29·87 ·82 ·78	SE 1. ESE 2. E 1.	55	63	63	Close morng, hazy & cloudy, little sun, soon became quite cloudy & so continued with gentle rain at times. Rain increased from 3 till 4 pm, eveng finer but overcast & close. Rain again after 9 pm, Thr then 59°, rainy more or less through the night. –
Friday, July 5.	·75 ·80 ·84	E 1. ENE 1. NE 1.	56	59	60	Cloudy morng, followed by misling rain more or less till 2pm, afterwards more fair, but chiefly cloudy. Evening clearer with mixed clouds: Fine night, and chiefly clear – with very strong yellow twilight. –
Saturday, July 6.	·93 30·01 ·05	NW 1. W 1. W 0.	51	59	66	Cloudy and close, and more or less so all day. Gleams of sun about noon, sultry, blue haze, and very sultry towards evening, and no wind. – Cloudy, calm, and close night. Some dark mottled clouds. –
Sunday, July 7.	·11 ·09 ·11	NW 1. NW 0. SE 2.	53	59	66	Cloudy with little sun, and very little wind. Calm & pleasant day, chiefly cloudy, but clearer at 4pm, cirrocumuli above. – Wind veered to SE during eveng, arcs of dark cloud rising from SW. Chiefly cloudy. –
Monday, July 8.	·07 ·04 ·02	W 1. W 2. SE 1.	54	65	75	Bright and lovely morng; a very fine summer's day, rather electric mixed clouds, cirri, cirrocumuli & cumuli, but chiefly sun, and hot with very pleasant breezes. – Very gay sky all the eveng silvery cirrostrati tinged red & green near the sun, and much – black & white dappled cloud. –
Tuesday, July 9.	29·99 30·01 ·03	WNW 1. NW 1. Var 0.	57	65	73	Close and dappled as before, very fine and hot day, chiefly sun, with cumuli, and small electric clouds; some very black and rocky cumulostrati in the afternoon & evening, and very dark mottled cirrostrati in the eveng.
Wednesday July 10.	·09 ·10 ·05	Var 0. W 1. WSW 2 WSW 3	53	65	73	Thin cloudiness, very fine & close morning. – Very fine, sunny day, and hot, with cumuli and whitish haze here and there. – Very close & sultry evening, thick and dark haze, with black undulations of small cloud. More wind and little shower during the night. Thermr 66° at 8 pm. –

July 1844.

1844.	Barometer.	Point and Force of Wind.	Thermometer out of Doors: lowest state	9 a.m.	Highest State	State of the Weather. Clouds, &c.
Thursday, July 11.	29·98 30·02 ·01 ·02	W 4. W 2. & 3. – W 2.	60	68	76	Electric mixture of clouds, much dappled, and hot breezes, but chiefly sun. A very fine and sunny day, with cumuli, and very hot. – More electric during eveng many knotty divisions of cloud, and sultry air. 8pm Thr 66°. – red sun-set.
Friday, July 12.	29·99 30·01 ·05	W 3. W 2. W 0.	59	66	70	Large and black clouds, rocky cumuli & sun, chiefly fine here, but showers at a distance, most of them Southward: dark and rocky clouds in every quarter, bright and pleasant most of the day – at this place. – Close eveng, no wind, but had been brisk all day. At 8pm dense rocky clouds, and a short but heavy shower, afterwards lowering & more wind again. –
Saturday, July 13.	·05 29·96 ·69	W 1. SW 3. SSW 3.	55	64	69	Cumuli and sun, fine and warm morning, and chiefly sun with large cumuli till 1pm, more hazy and sultry, yet more wind at 2pm. heavy clouds & hasty shower soon after 2 pm. afterwards rainy, and in the eveng – continual fast rain, Barom falling rapidly. – Rainy night.
Sunday, July 14.	·55 ·67 ·85	WSW 5. W 5. W 5.	58	63	66	Boisterous gale with flying cumuli and sun, continued very windy with many flying clouds, and sun at times; some darker groups of cloud passing Northerly, but fine. – Clouds higher & lying more on a plane during eveng, and wind less. – Sun set deep red under cirrostrati.
Monday, July 15. New moon 2¼ pm.	·97 ·94 30·02	SW 0. SW 2. W 1	51	67	74	Very fine & beautiful morng, calm & bright, with much curdled white clouds, little more wind in the day, but chiefly sun, rocky cumuli, & very hot. A few large drops at 1½ pm. A very pleasant day. At 6pm very black with a heavy shower of very large drops soon after. Clear orange sun-set.
Tuesday, July 16.	·12 ·10 ·12	SW 0. Var 0. SW 0.	51	62	69	Hazy and thick, but clear in NW, became clear here before 10, & no wind. – Very fine and sun at times, but heavy dark clouds & very rocky. Chiefly no wind, but most SW. – Clear eveng and very pleasant. – Sun set in full golden splendor. – Much mist in the valleys. –
Wednesday July 17. ☌♀♄	·15 ·12 ·02	W 0. SW 0. SW 0.	47	64	72	Quite clear & no wind: a very fine and hot day chiefly sun, but many cumuli and cirrocumuli clouds, very gay sky, and beautiful weather, – but less clear than the morng. – More electric and curdled. Close & sultry – with dark clouds in the eveng, Thermr 62° at 8½ pm. –
Thursday, July 18. △♀♃	29·88 ·85 ·85	Var 0. W 1. W 1. Var 0. SW 1.	52	62	66	Much curdled & very electric gay sky: close and no wind. – At 8 am became exceedingly black in the West, and distant thunder, afterwards near, and a heavy thunder-storm passed over with vivid lightning at 8½ am. Continual thunder Eastward for an hour after. – It was as dark as evening at the beginning of the storm. At times fine and bright & no wind, but continual thunder and black rocky clouds. Another heavy storm at noon, with curved lightning and very loud thunder. Several distant storms after, but fine here – during afternoon. At 6pm another very black cloud in West, with continual violent jarring thunder & vivid lightning – a heavy shower followed but the thunder ceased before it came on to raining. –

July 1844.

1844.	Barometer	Point and force of the wind	Thermometer out of doors: lowest early	9 a.m.	highest	State of the Weather, & Clouds.
Friday, July 19.	29·84 ·93 30·05	WNW, 1. NW, 1. N. 0.	51	61	69	Chiefly sun, with large rocky cumuli, and cumulostrati. Some distant showers, and very distant Thunder in SSW & S, 4pm. — A little shower at 5, - many rocky clouds, & lines of cirrostratus across them. Bright and calm evening: became cloudy at 9pm. — Little shower before 10. —
Saturday. July 20. △♀♂	·15 ·27 ·31 ·40	WNW, 1 NW, 1. NW. 0.	49	61	70	Clear and bright morning, cumuli clouds, a very fine and sunny day, small cumuli only. Calm and very bright evening, and a deep orange sun-set. — Cloudy at 10pm but afterwards clear again. — Barom very rapidly gone up. —
Sunday July 21.	·41 ·40 ·38	SW. 0. SW. 2. SW. 2.	48	68	79	Bright with thin haze, and rapid increase of heat after 8 am, very bright with cirrocumuli clouds. — Continued bright, and very hot, with cumuli, white cirrostrati in streaks like a shoal of fish, rather electric & gay, and pleasant breeze at times. — Sultry eveng - many electric beds of clouds & red cirri. Therm 68° at 8½pm.
Monday. July 22. △♂♃ —	·33 ·30 ·27	SSE. 0. SSW. 0 SSE, 1	59	71	85	Much dappled & electric, bright and very hot, quite clear after 10 am, no cloud, & no wind. very bright and extremely hot. by 10½ am 76°. at noon 82° - and from 1 till 2½pm 85°, and not under 80° till 4½pm: at 5pm 78½, and at 8pm 71°. - Very clear & beautiful; sun set in full splendor.
Tuesday. July 23. △☉♀ - ☍♄♂	·21 ·19 ·17	SE, 1. SE, 2. ESE, 1.	56	75½	84	Very bright and extremely hot, no cloud, but some very distant westerly with white heads. — At 10½ am Th 80°, at noon 83°, and soon after 84° - but no higher after 1pm - but in sun 148°. Some white curdy clouds dappled the sky at 2 pm & after, but still bright and extremely hot with more wind. The clouds came from SW. across the lower current.
Wednesday, July 24. △☿♃, ☍☿♄	·12 ·17 ·17	ESE, 2. SE, 2. E, 1.	60	72	82	The whole sky red at 4 am & arcs of dappled cloud all the morng passing from SW: became bright after 10, and extremely hot, but more wind. — Thermom at noon 82°, and so continued till near 2 pm. — Many small lumpy clouds dappled the sky in the afternoon, but bright & less wind at times. Sun set clear, and a deep salmon tint. Twilight the same —
Thursday. July 25. ☌☿♂	·17 ·14 ·11	SE, 1. SE, 1. SE, 1.	58	75	84½	Little haze, & much cirrus, but bright, and extreme hot; sheets of white cirrus rather dimmed the sun at times, and some electric curdled white clouds - but chiefly bright, and oppressively hot, with a light breeze now and then. At 1pm Therm 84½°, and so for an hour, at 5pm 76°, and at 8pm 69°. Dark knotty & gay clouds, very close and electric.
Friday, July 26. ☍☉♄ - △☉♃	·08 ·15 ·25	Var. 0. NW. ½. W. 2.	62	70	76	Dark clouds - electric and dappled; distant clouds looking like tempest. Very close and sultry. — Chiefly cloudy, and very hot, little sun at times. Black clouds at 6pm, few drops - afterwards thick blue haze, and low clouds, and exceeding close. — Th 68 - at 8½pm.
Saturday. July 27. ✱♃♄ - △♂♅	·31 ·33 ·37	WNW, 1. NW, 1. NE. 0.	61	66	73	Cloudy with dry blue haze, and very sultry. clearer after 10 am, mixed clouds and sun at times, but very fine and exceedingly close. — Much clearer after 4 pm, and the eveng was bright and very hot. Sun-set salmon tint. Therm outdoors 63° - at 9pm. —

July 1844.

1844.	Barometer	Point and force of the wind	Thermometer out of doors: lowest early	9 a.m.	highest	State of the Weather & Clouds.
Sunday, July 28.	30·34 ·29 ·25	NW, 1 W, 1. SW. ½. WSW. 0.	54	69	80	Still very fine and very hot, much curdled cloud and a confused bed of cirrus, at times hazy and cloudy, but chiefly bright with much mixed clouds, curdled and electric. very little wind, and exceedingly hot and sultry. — The Therm not under 79° all the afternoon till 5pm, and at 8½ pm 68°. - Thick haziness & dark knotty clouds, exceedingly sultry eveng, & no wind. —
Monday. July 29. △☉♅	·08 ·10 ·07 ·06	NW. 2. NW. 2. NW, 1.	60	68	74	More wind, and dark flying clouds, clearer after 9 am, cumuli and sun, fine and very pleasant with mixed clouds, less wind after 3, - eveng clouded and a little showery rain, close and very little wind. Full moon at 2½pm. Clear night at 10pm.
Tuesday. July 30. —	29·99 ·82 ·59	SW, 1. SSE 3 S 4.	51	60	65	Hazy with much cloud, chiefly cirrostrati, and some undulated rather. — Sudden shower of very large drops at 11 am. more wind and veering to SSE - 2pm, still very hazy & humid looking. — After 3 - very gusty wind, at times clouded, and at times sun. — At 5pm, a heavy driving shower from SSW, afterwds bright. Showers during the night.
Wednesday, July 31.	·54 ·65 ·74 ·82	W 3. W 4. W 3.	58½	64	67	Flying clouds, low & black, & fleecy clouds above - sultry with wind, & a little wet at times, clearer at 10. but soon very black about West, followed by a heavy driving storm at 11 am, afterwards fine windy, & sun at times with many rocky clouds, during afternoon. Evening showery, very black in SW at 5½pm - Night rather stormy but more settled, & chiefly fine.

Results for July 1844. —

Barom.		Thermom.	
Highest on 21st	30·41	Highest on 22nd	85°.
Lowest on 31st	29·54	Lowest - early on 17th	47
range	0·87	range	38
Mean of the month	30·04	Mean of the month	63°·29

Prevailing winds Westerly. Fine days 23:- Rain 2·41, & Evaporation 4·71 Inches. —

This month was truly seasonable, and delightful in the extreme. The fruitful showers with intervals of bright and hot weather gave such a stimulus to all vegetation as is not often seen, the loveliest green was cast over the meadows, the trees threw out late & paler shoots to brighten the scene, and the corn was much benefitted, and the crops became good and ripe by the end of the month. — Garden fruits especially currants were remarkably fine, abundant and delicious. So joyful a refreshing after the previous long drought wrought magic over the whole land. — Much more might be said, and too much cannot be written upon the beauty of the Summer of 1844. —

August 1844.

1844.	Barometer.	Point and Force of the wind.	Thermometer Out of Doors: lowest State	9 am	Highest	State of the Weather; and Clouds.
Thursday, August 1st.	29·83 ·84 ·88	WSW$_{3}$ WSW$_{3}$ WSW$_{2}$	52	62	64	Clear morn$_g$, cirri and wind, followed by many clouds, some heavy & rocky, sun at times, and little flying rains, but chiefly fair till 3 pm then clouded with rain at times. Even$_g$ finer but cloudy & thick, with little wetting.
Friday, August 2.	·95 30·01 29·97	W$_{2}$ W$_{2}$ W$_{0}$	52	61	71	Clear morn$_g$, followed by cumuli clouds, but bright & warm. A very fine sunny day some rocky cumuli, but no other cloud.— Beautiful even$_g$ bright and calm, but thick distant haze & clouds about horizon
Saturday, August 3.	·77 ·60 ·53	S E$_{2}$ S$_{3}$ S W$_{5}$ S W$_{4}$ 5 & 6	52	59	68	Cloudy, and rain from 8 am till 10½ am. afterwards cleared up: rocky clouds & sun, distant nimbi very black with violent Thunder, West & NW at noon till 1pm, gale with sun, and rocky clouds. — Flying showers again after 4pm, and a very tempestuous night. Strong gale at midnight & 3 hours after, — and rain at times.
Sunday, August 4. δ⊙δ	·67 ·76 ·95	W$_{3}$ W$_{3}$ WSW$_{1}$	54	59	72	Wind gradually abated but rainy till daylight, afterwards clearer, and fine. Chiefly bright and hot from 12 till 3pm, with rocky cumuli & mixed clouds. Black cloud at 3 from West & hasty shower with thunder, afterwards bright even$_g$, and dappled sky.
Monday, August 5.	30·01 ·00 29·95	WSW$_{0}$ SSW$_{2}$ SSE$_{2}$ S E$_{2}$	48	64	75	Quite clear and no wind: very clear all the forenoon, and very hot, more haze with cirri and cumuli after 1pm, but chiefly sun. More hazy with dark cirrostrati after 3.— became black in S at 5 — and gently rainy evening, — hard rain at 10. 11. & 12 pm. —
Tuesday, August 6.	·73 ·70 ·73	SSE$_{2}$ SSW$_{3}$ S W$_{4}$ S W$_{2}$	59	69	70	Exceedingly sultry & close, with dark dappled clouds, little sun after 8. but soon cloudy & a little rain but very hot & sultry. Gentle rain and more wind, but became fine at noon: bright with flying cumuli, windy & less hot. A hasty shower at 6pm, afterwards a bright evening, and clear night.
Wednesday, August 7.	·75 ·82 ·83	S W$_{3}$ S W$_{5}$ S W$_{3}$	53½	63	68	Clear and windy, but warm; scuds and cumuli followed, many rocky clouds, and sudden flying showers during the afternoon, but chiefly sun, and squally wind. Evening finer and wind less. — Some barred cirrostrati.
Thursday, August 8.	·74 ·78 ·82	S W$_{3}$ S W$_{4}$ W$_{3}$	51	62	69	Bright with scuds & cumuli, little flying showers, but more at a distance, and very rocky clouds, — but chiefly fine and sunny.— Heavy cumulostrati & white elliptical cirrostrati dur$_g$ even$_g$, & distant lightning eastward.
Friday, August 9.	·87 ·88 ·87 ·88	WSW$_{3}$ W$_{2}$ W$_{0}$	53	64	68	Bright with rocky cumuli, very fine day here, but some distant small showers.— Many rocky clouds with sun.— Pleasant evening, no wind, little hazy, with many cirrostrati clouds. —
Saturday, August 10	·82 ·77 ·82	Var$_{0}$ NW$_{0}$ NW$_{1}$ E$_{½}$	52	61	69	Sun rose rather red & clear, but soon became hid in mottled cloud & streaky haze; close and no wind. Dark and heavy clouds till after 1pm, but very close: black in SW, but became bright here after 2, and exceedingly pleasant. During evening much mixed cloud of electric character about SE and white elliptical cirrostrati folding over the rocky red crowned-groups. —

August 1844.

1844.	Barometer.	Points and force of wind.	Thermometer out-doors: lowest State	9 am	Highest State	State of the Weather, & Clouds.
Sunday August 11.	29·93 ·95 ·90 ·86	Var$_{0}$ SW$_{1}$ S$_{2}$ SSE$_{1}$	45	64	70	Quite clear, and much Dew, very bright, and hot as day opened — cumuli followed, and at noon rather hazy & less hot, but a very fine Day and very pleasant with mixed clouds, and a little more wind. Electric and gay sky.— Even$_g$ very thick & hazy with Dark undulated & plane cirrostrati. — Rain after 8pm in sudden & short showers. — Night rainy.
Monday. August 12.	·60 ·54 ·63 ·68	SSE$_{1}$ S$_{2}$ Var.$_{0}$ NW$_{1}$	58	63	68	Light rain more or less & very close morn$_g$, continual showery rain with gleams of sun but finer after 12 for a little time, afterwards heavy showers from S. till 3pm: finer but many clouds, & very distant thunder westward.— After 5pm rocky cumulostrati from NW & W.— & w^{d} veered there, — but fine & bright at times. cloudy & close night. 8pm Th^{r} 62°.
Tuesday, August 13.	·78 ·76 ·71	WSW$_{2}$ WSW$_{1}$ SW$_{1}$	52	63	67	Fine morning with sun, but hazy with cirri, more hazy, dark heavy clouds & very close till near 2pm, then black clouds from SW followed by rain for a little while at 2pm, afterwards more sunny with mixed clouds, & very pleasant. Close even$_g$. 8pm 61°.
Wednesday. August 14. New moon 2½ am.	·52 ·37 ·50	SW$_{1}$ S$_{0}$ S E$_{0.1}$ NW$_{1}$	55	60	61	Close and rather foggy, low clouds & very dark but a little sun at 8 am. Very Dark with continual hard rain from 9½ to 11 am, afterwards finer, but chiefly overcast and a little wetting at times, the sun visible. At 4pm w^{d} to NW, & clearer, but soon a shower from North, afterwards fine, and a bright evening.
Thursday, August 15.	·64 ·69 ·82	NW$_{2}$ NNW$_{3}$ NNW$_{2}$	52	59	63½	Cloudy more or less, & a little wet at times, rain increased to a drifting shower, but finer after 11. fine afternoon clearer, some sun, and more wind at times; at 4pm chiefly sun, and dappled arc of cloud. Evening cloudy, but lofty clouds & brisk wind. 8pm 58°. — quite warm for a N wind & considering the recent rain.
Friday. August 16.	30·01 ·07 ·04 ·02	NW$_{2}$ W$_{1}$ WSW$_{1}$ SW$_{2}$	56	61	71	Lofty grey clouds, and some sun, very fine morn$_g$ and became bright after 8, — very fine, hot & chiefly sunny with cumuli & cirri: more hazy after 4pm — A beautiful screen of grained cirrostratus of silky appearance in WNW tinged by setting sun, of many colours, much dappled in other quarters. 8pm Th^{r} 63°. Cloudy & warm night.
Saturday, August 17.	29·85 ·95 30·03	SW$_{3}$ W$_{5}$ WNW$_{5}$ WNW$_{3}$ (some meteors. 10pm)	57½	65	65	A little shower early, flying clouds & windy but hot during the morn$_g$: more wind & cooler but fine, with mixed clouds & sun, rather electric & dappled above the lower clouds. some haziness at noon, but an arc of blue in NW, and soon bright here. All the strata of clouds glided off in Arcs. — Clear even$_g$ & night.
Sunday, August 18.	·12 ·19 ·22	NW$_{3}$ NW$_{3}$ NW$_{1}$	51	59	66	Clear, but a pleasant drying morn$_g$. Very fine day, windy with many lofty cumuli — and sun at times. — Sun set clear, wind less, & few clouds of cirrostrati kind. — Night chiefly clear, and some wind. — (chill. The strong evaporation gives a sensation of
Monday, August 19.	·22 ·18 ·14	WNW$_{2}$ WNW$_{3}$ WNW$_{1}$	49	60	71	Clear & cool, but soon warmer, very fine and bright with brisk drying wind, and cumuli clouds, hotter after 1pm, and some beds of dappled cloud, but still bright till 3½ pm, afterwards hazy & close, but windy. A very little light rain at 6pm, cloudy even$_g$ & less wind; — Th^{r} 60° at 7½ pm. — & so continued nearly all night. —

August 1844.

1844	Barometer	Point and Force of Wind	Thermometer out-doors: lowest state	9 a.m.	highest state	State of the Weather, Clouds, &c.
Tuesday, August 20	30·00 29·93 ·91 ·92	W 2. W 3. WNW 4. 3 & 2.	58½	67	73	Exceedingly close, dark low clouds & dappled above, more cloudy for a little while, but after 11 a.m. chiefly fair & sunny, with some dark & rocky clouds flying over, letting fall a few drops: rather electric & hot. – Clear even^g & sun set clear, but the South was stormy looking with long erect cirri. very red. –
Wednesday. August 21. * ☿ ♀	·85 ·86 ·85 ·86	WNW 3. WNW 3. W 3.	52	61	66	Many clouds, cumuli & dark low clouds, with sun between, and cool breeze, little rain flying over, more clouded after 4 pm. and gloomy evening with a very cool wind: but after 8 pm warmer and rather W by S. –
Thursday. August 22.	·83 ·85 ·85	W 1. W 2. W 0.	53½	58	62	All clouded and close, and very gloomy till after 10 a.m, rather clearer, but continued more or less cloudy, and some dense and dark clouds: little drift of light rain at 3, afterwards rather less cloudy. – Calm & more pleasant even^g, rather electric & knotty. – A short heavy shower at 8¼ pm. –
Friday, August 23.	·88 ·86 ·86	SW 0. SW 1. S 0.	52	63	71	Bright & calm morn^g, with mist on the vales. Dappled with cumuli & hot sun. – Very fine, and chiefly bright, dappled clouds & cumuli, with white haze in streaks, – hot, and very little wind. Calm & close even^g, very gay upward – dappled & streaked of divers tints – 8 pm 60°.
Saturday, August 24	·83 ·85 ·88	NE 0. Var 0 E ½. Var. 0.	50	63	66	Very fine, calm, & much dappled, but chiefly sun. Very close, and distant rocky clouds in the W. & SE. – Very thick with dark clouds & a few drops from 10½ till noon, w^d E. SE. & SW calm. Clearer & close after 1 pm: little sun but many hazy cirrostrati. Close even^g dark rocky clouds & very red west. Therm^r 59° at 8½ pm. – Close night.
Sunday, August 25.	·99 30·05 ·11	NW 1. NW 2. WNW 1. & 3. – & 1. –	53½	59	69	Close morn^g, but cooler after ⊙ rise, very fine, and bright, pleasant and parching air, more close & less wind with dark clouds at 2 & 3 pm. afterwards more wind and clearer again. Even^g clear & cool breeze Sun set yellow in mottled cirrostratus. Therm^r then 59½°. – Curdled over at 10 pm.
Monday, August 26.	·13 ·16 ·19	W 2. NW 3. WNW 1.	54	62	66	Light curdled clouds & dry breeze, with sun at times. very fine and favourable for the conclusion of harvest. – Evening clouded with light grey curdled bed of cloud. –
Tuesday. August 27. {Full moon at midnight.}	·19 ·21 ·23	NW 1. NW 2. W 0.	50	61	70	Thin clouds with bright sun, and gentle breeze, and a very fine day, bright and hot with cumuli and cirrocumuli in dappled trains: lines of haze after 5 pm, lying obliquely upwards in W, very close and calm very thick haze after sun set, and very red mottled west in diverging streaks, and moon dim, but soon clear. –
Wednesday, August 28. △ ☿ ♄ ☍ ☿ ♃	·26 ·28 ·31	Var 0. NW 0. SE 1.	43	59	72	Heavy dew, clear above, and dense fog below, became very bright – a very fine, clear and hot day, very few cumuli clouds & but little wind. – Sun set in full splendor, orange tints. – Beautiful cloudless night. moon very bright. –

August 1844.

1844.	Barometer	Point and force of wind.	Thermometer out of doors: lowest state	9 a.m.	highest state	State of the Weather, Clouds, &c.
Thursday, August 29.	30·29 ·30 ·30	SE 0. NE 0. ESE 1. ESE ½.	44	63	77	Clear above fog below, and heavy dew. – Very fine, bright, calm, and hot as day came on; continued very bright, a few small cumuli to Southward, and no wind. Very hot and tranquil day. After 3 pm a little breeze from ESE, the clouds from ENE. only light cumuli, sun bright as before, and very hot. Sun set in full glory & deep salmon tint. Clear night, Th^r 58 at 8 pm.
Friday. August 30.	·29 ·32 ·34	E 0. E 0. E ½.	48	60	65	Soon after sun-rise long parallel cirrostrati came on, afterwards quite clouded but not thick. – Very fine, calm, and close, continued clouded over till 4 pm, but clear at a distance in SW. Bright even^g, a few low clouds. quite clear at 9 pm, except cirrostrati low in the East in straight lines upon horizon. Th^r 56 at 8.
Saturday August 31. * ♃ ♄	·43 ·48 ·50 ·53	NE 0. ESE 1. SSE 2 SSE ½. & 0.	51	67	76	Bright and hot with cumuli clouds; a beautiful day, very clear, few small cumuli, and very hot. little more wind after 12 noon. – Delightful even^g, lines of silvery, grained, and dappled cloud, more electric looking. Sun set clear orange colour, Th^r 64° then: – and at 9 pm 58°. A beautiful screen of curdled cirrocumuli gilded by the moon.

Results for August 1844.

Barom^r	Highest on 31st	30·53	
	Lowest on 14th	29·37	
	Range	1·16	
	Mean of month	29·94	
Thermom^r	Highest on 29th & 31st	77°	
	Lowest early on 28th	43	
	Range	34	
	Mean of Month	60°·338	

The prevailing winds Westerly, number of fine days 22; – Depth of rain 2·40; and Evaporation 3·78 Inches.

This month began with unsettled and showery weather, but the latter half was remarkably fine and favourable for the harvest, although at times cool and cloudy, yet some brilliant days with pleasant heat, without excess. –

Three months ago and even less, we had no prospect of a crop but so Merciful is our God we have now a most abundant supply of all things, the wheat never was more so and we have also a beautiful season for securing the same. –

Rheumatism, general colds, and fevers prevalent all the month.

September 1844.

1844.	Barometer	Point, and force of wind	Thermometer out of doors: lowest state	9 am	highest state	State of the Weather, Clouds, &c.
Sunday, Septr 1st.	30·53 ·51 ·52	SW 0. SSE 1. SE 1. SE ½.	48	70	80	Clear & dewy fogs below, became quite clear, and extreme hot, no cloud & no wind. Thermr by 10 am 72°: at 11 = 77°, and before 1pm 80° — and continued so an hour. Very bright, with some thin cirri in belts across the sky, little wind, but extremely hot. Golden ☉ set, tufts of cirri upward. Thr at 8pm 63°.—
Monday, Septr 2nd.	·49 ·46 ·41	SE 0. SE 1. ESE 1. E ½.	47	70	78	Fog below but soon clear, very fine, bright, and very hot, some cirrocumuli about noon and at times afterwards with a little more wind, but bright and very hot: — remarkably fine weather: clear orange ☉ set, some linear cirri about. Thr 62° at 7½ pm.
Tuesday, Septr 3.	·30 ·27 ·25	E 2. E 4. E 3.	53	65	67	Cloudy with fog. little wind, but very warm, clearer after 9 am, little sun & large flying clouds. again & chiefly clouded during afternoon, and evening, little haze and a warm breeze. Thermr 62° at 7pm, — and only 1 degree lower all night.—
Wednesday Septr 4.	·19 ·21 ·19	E 3. E 2. ENE 2.	61	64	72	Grey cloudiness, and a very warm breeze, became gradually bright, and hot by 11 am. continued bright, with cirri, white cirrostrati & brisk wind. — Hot and parching day. — Eveng again clouded and exceedingly close. Thr 8pm 62° & so continued
Thursday, Septr 5. Dreadful storm in Hereford, Stafford, and Chester Counties on 5th & 6th. —	·07 ·04 ·06	ENE 2. E 2. E 1. ESE 1.	61	64	70	Cloudy with dry fogs, and exceedingly close: clearer after 11 am, sun at times, flying low clouds, and cirrocumuli above, dappled and electric after 4 pm — rising from SE, and very hot and close. — More electric and knotty flocks of cloud in the evening, and some flame coloured. 8 pm Thr 64° — and distant lightning — S., SW. & W. — very quick lightning & severe from 9 till 12, and thunder heard at times: passing to West.—
Friday, Septr 6. 8♀♄ = △♀♃	·04 ·08 ·12	SE 1. SE 2. S 1.	61	73	79	Chiefly clear, but some hazy cirri & much dappled electric, and very hot, at 8 am, Thermr up to 70°. more electric & gay with knotty cirrocumuli. continued very fine, chiefly bright, and extreme hot: mixed clouds very electric, and curdled, some very white and lumpy round clouds. — Very bright eveng with flame coloured cirri. and extreme sultriness, Thermr at 8pm 65°. — Distant lightning durg night.
Saturday, Septr 7.	·10 ·09 ·10	SSE 0. S 1=2. S 0.	59	65	73	Cloudy, close, & little rain during the morning, more fair with sun after 10, — many clouds, and the curdy cirrocumuli above, and very hot. Bright sun set with fiery cirri clouds. Hazy & close, excessive sultriness, Thermr 65 at 8pm. Distant lightning in South. —
Sunday, Septr 8. A most awful storm in Sussex Kent and elsewhere this eveng.	·05 ·03 ·00	S 0. Var. 0. W 1. E 1.	57	66	78½	Very close, some haze and mottled cirrostratus with sun: became bright and extremely hot, and very little wind. cirri & mixed clouds increasing after 4 pm, very electric and red with setting sun. — Very distant thunder in S. at 7 pm, followed by more and severe continual lightning about SE, S, & SW from before 8 pm till after midnight. the lightning exceedingly brilliant, and quick. Some very near after 11 pm, & afterwards in the East, followed by rain till morning.

September 1844.

1844.	Barometer	Point, and force of wind	Thermometer out of doors: lowest state	9 am	highest state	State of Weather, Clouds, &c.
Monday, Septr 9.	29·87 ·90 ·94	NE 1. NE 1. NE 0.	57	59	68	Overcast with rain till near 9 AM, afterwards fine but chiefly cloudy, little sun at 1 pm, but dark clouds followed, very close, calm and pleasant and the evening still closer, cloudy & no wind, Thermr 62° at 8 pm. —
Tuesday, Septr 10.	·95 30·00 ·08	WNW 1. W 1. WSW 1.	55	61	67	Cloudy till after 9, then bright with cirrocumuli & some mixed cloud. Very fine and pleasant, sun at times but close and blue clouds of a spreading form with some haze about the landscape. — Clear star-light night after 9 pm. —
Wednesday, Septr 11.	·14 ·15 ·13 ·16	WNW 0. NW 1. W 1.	47	58	71	Very clear above, haze below & heavy dew; very bright and fine with cumuli clouds, and hot; more clouded after 3 pm with thin long clouds. Close and cloudy evening, and wind veering more to SW at 8 pm. — Cloudy night and no wind. —
Thursday Septr 12.	·16 ·19 ·24	WSW 0. WSW 1. WSW 0.	55	61	69	Cloudy, calm, and close morng. clearer after 10, and more wind: little sun and very pleasant. More cloudy after 1. and no wind. — Became bright at 4 pm, upper current from NW. — Calm & warm evening, raggy clouds rather electric to West. New moon 1 pm. —
Friday, Septr 13.	·31 ·32 ·30	SW 0. SW 1. SSE 0.	48	61	70	Very fine with grey mottled clouds, and thin haziness, became bright after 11. beautiful afternoon, very bright with small cumuli clouds. Evening more dappled, and rosy sun-set. Night close and clouded. —
Saturday, Septr 14.	·24 ·21 ·19 ·21	SSW 1. SSW 2. SW 2.	54	61	71	Hazy and dappled, close morning, and light breezes, sun at times, curdled clouds at 11 am, and many mottled cirrostrati, with cumuli, and scuds: Close and sultry day throughout, sun & cloud by turns. Very dappled & knotty clouds during eveng. Thermr 62 at 9 pm.
Sunday, Septr 15.	·05 29·99 ·94 ·96	SSE 3. S 4. SSW 4. SW 5.	58	63	70	Cloudy and a sultry breeze, little flying rain at times; gay and electric clouds, some cirrostrati with their upper edges indented. Clouded over but thin, and frequent light rain till after 1 pm. More fair, sultry with low blue clouds little sun, and more wind. — Evening windy little rain thick & light. and very hot — Thr 65 at 8½ pm
Monday. Septr 16.	·98 30·00 29·97	W 2. WSW 3. W 2.	60	63	72	Cloudy & very sultry, less cloudy, little sun at times, and a hot breeze, exceedingly close, but very fine and pleasant, a few drops at 6 pm. Fine evening and night, dark knotted clouds and very sultry. Thermr 65° at 9 pm. —
Tuesday, Septr 17. An ash tree was struck by lightning to day, at East Stonham, and the bark was stripped off in a spiral direction — in alternate rings round the stem. —	·88 ·88 ·92	SW 2. Var. 0. NE 1.	61	64	67	Exceedingly close, and cloudy, black in SW, followed by a heavy shower from 7½ till 8 a.m. showery all the forenoon, thunder in N West 11, & till noon, then a very heavy storm of rain, lightning and thunder, and from 12 till 2 pm, continual thunder about S, & SE. Finer, little but many clouds, and wind to NE. Cloudy and close evening, but cooler than last. Thermr 60° at 8½ pm. — ☞ The storm rose NW, and passed to Southward in a manner unusual with thunder-clouds. —

1844.	Barometer	Point, and force of wind	Thermometer out of doors: lowest state	9 a.m.	Highest state	State of Weather, & Clouds.
Wednesday, Septr. 18.	30·03 ·12 ·17	NE 2. NE 2. NE 1.	54	58	61	Cloudy more or less, in two currents, one from the westward, the other from N.E.: chiefly clouded till after 2 pm, then clearer, loose cumuli and sun. Much cooler from the storm yesterday.— Clear evening, little wind, moon bright, Th. 51° at 8½ pm
Thursday, Septr. 19.	·14 ·11 ·10	NE 2. NE 1. N 0.	49	59	63	Light clouds but very fine, large rocky cumuli, and sun; a little rain at 1 pm, in a very trifling shower, afterwards very bright with rocky white headed clouds: clear moon-light evening, Thermr. 53° at 8½ pm.— Some fogs in the valleys.—
Friday, Septr. 20.	·14 ·17 ·22	NE 0. E 0. E 0.	44	58	70	Fogs below, clear above, and very heavy dew, very fine and bright, but some electric groups in the E & S.E. horizon.— Rocky cumulostrati & hot sun till after 12; more cloudy, distant rains Eastward and a little thunder. Fine afternoon till 5 pm, then a shower: electric clouds on various tacks: but wd. chiefly E. 0.— Clear at 8 pm Th. 54°.
Saturday, Septr. 21. ☍ ☉ ♃	·23 ·27 ·29	NE 2. NE 3. NE 1.	48	57	60	Heavy cumulostrati about N.E. & E. sun at times, more clouded and little showers after 10, more wind and frequent light rains, sun at times, with much cloud.— Fine evens, and at 8 pm white curdled clouds, moon bright. Th. 52.
Sunday, Septr. 22.	·22 ·18 ·14	ENE 3. ENE 4. ENE 2.	49	58	63	Clouds and sun, with drying breeze, large and raggy cumuli, and some small nimbi, a trifling shower or two, but chiefly fine & sunny with a stormy sky: more wind and rocky clouds. hazy night, stormy clouds, & less wind.— 8 pm 51.
Monday, Septr. 23. △ ☉ ♄	29·94 ·86 ·91	NE 1. NE 4 NE 2.	50	55	60	**Equinox, or Autumnal ingress.** A stormy sky haze & mixed clouds.— Flying showers, and a little sun: fine afternoon, windy and cool, with much mixed cloud.— Less wind at evens, clouds blacker with a somewhat electric appearance and rain after 7 pm.—
Tuesday, Septr. 24.	30·01 ·14 ·24	NE 1. NE 2. NE 1.	48	58	65	Very fine and clear, the night clouds drew off in an Arc to S.E. quarter.— a very fine sunny day with cumuli, and light undulated cirri at a less altitude than usual: little shower 4½ pm from N.E. Bright moon-light eve, rocky clouds near the ☉ at setting, and in the East afterwards. 8 pm Th. 53°.— Fog in the vales.
Wednesday, Septr. 25.	·31 ·34 ·38	N 0. NE 0. NE 0.	43	58	68	Clear with heavy dew, and much fog on the valleys. Very bright sun and cumuli clouds, no wind and exceedingly fine and pleasant.— Calm evens, some dark clouds, others fleecy, and moon bright. 8 pm Th. 55°.— 10 pm quite clear: moon very bright: fog on the vales.
Thursday, Septr. 26.	·40 ·38 ·38	Var. 0. W 1. SW 1. Var. 0.	44	58	67	Much fog below— but clear above, and beautiful morning: a very fine, and bright day, hot sun, and cool wind although but little blowing: Very clear evening, sun set in full glory and deep orange tint. 8 pm quite clear, no wind Thermr. 54°., **Full moon** – 1 pm.—
Friday, Septr. 27. ☍ ☉ ♅	·33 ·27 ·28	W 0. Var. 0. W 0.	42	57	71	Much fog early, but a bright & calm morng., an exceedingly fine day, bright and hot, no wind, and no cloud, except a thin cumulus now & then.— Lovely weather.— Sun set blood-red in haze. beautiful night, no cloud, no wind.— 8 pm Th. 55½!

September 1844.

1844	Barometer	Point, and force of wind.	Thermometer out of doors: lowest state	9 a.m.	Highest state	State of Weather, & Clouds.
Saturday, Septr. 28.	30·20 ·17 ·11	W 0. WNW 1. W by N 1.	43	58	72½	Fog early, became very bright & no wind. Exceedingly fine, clear & very hot, but more wind after noon, a few small clouds. red sunset, and bright moon-light night, foggy below 8 pm Therm. 54°.—
Sunday, Septr. 29.	·07 ·19 ·33	NNW 3. N 4. N 1.	44	56	56	Very foggy, afterwards overcast, light rain and more wind. much cooler after 9 a.m. Chiefly clouded & little wet till 1 pm afterwards clear, sun and cumuli. Clear evens, yellow sunset, 8 pm Th. 48°.
Monday, Septr. 30.	·45 ·46 ·43 ·38	NW 1. W 0. WSW 1.	41	56	62	Clear, cool and much dew— but soon became warm— extremely bright & pleasant, with cumuli & some white barred cirrostrati: more dappled after 3 pm. Lines of haze & red eveng. 8 pm Th. 49°.

Results for Septr. 1844.—

Barom.r	Highest on 1st. — 30·53 Lowest on 23d. 29·86 Range — 0·67 Mean of month — 30·166	Therm.r	Highest on 1st. — 80° Lowest on 30th. — 41° Range — 39° Mean of month 60·033

Prevailing winds N.E. & W.; depth of rain 1·66, and evaporation 2·79 Inches.— Fine days 23 in number.—

This month on the whole was very fine and pleasant, and some days were truly summerlike. The reports from the whole of Great Britain were of the most satisfactory kind, relative to the abundant produce & favourable state of weather for securing it.— There never was a stronger invocation to a general thanksgiving to Almighty God, than now; and at least individually we should pour forth our gratitude to Him who has thus abundantly blessed us even when we had been fearing a lack of the comforts of life from the previous appearance up to the close of June; but "in due season we shall reap if we faint not"! No material sickness in this month, but languor and debility prevailed during the storms of thunder and sultry heats in the former half of it.—

October 1844.

1844.	Barometer	Point and force of wind	Thermometer out of doors lowest early	8 a.m.	highest state	State of Weather, Clouds, &c.
Tuesday, Octr. 1st.	30·23 ·13 ·09	SW 3. SW 4. SW 3.	44	54	63	Bright morning with trains of beautifully curdled white electric clouds, chiefly fine & sunny but more hazy in arcs of cloud lying from wind-ward and more wind. More clouded after 3pm, but a warm breeze. Evens cloudy, & close, very little wet at times. 8pm Therm 58! –
Wednesday. Octr. 2nd.	29·76 ·62 ·67 ·80	SW 5. W 6. NW 7. 6 & 5.	52	58	64	Overcast, close, windy and flying rain at times; finer after 11 am. Strong wind, and dark raggy clouds with sun during afternoon, fine and warm – although very windy. – Rosy cirri at sunset, evening chiefly clear, mild and windy. Thr 57 at 8pm. –
Thursday. Octr. 3rd.	·91 ·81 ·88	WSW 3. WSW 5. W 5.	51	55	68	Cloudy, rather close, & less wind, but fine; More wind after 10 – flying clouds and a few drops, but chiefly fine, sun at times, and hot for the season. Very black clouds during evening, and much wind but very sultry, 8pm Therm 62°!
Friday, Octr. 4.	30·07 ·11 ·10	W 3. W 2. W 1.	49	53	64	Clear, pleasant and drying morning, very fine and bright day; few cirri & thin cumuli. Rather hazy after 2pm, many cirri and mottled cirrostrati, with a halo at 4pm. – Evens chiefly clear & much cooler after a hot day. 8pm 52° or 10 under last evening.
Saturday. Octr. 5.	29·91 ·85 ·89	SW 3. SW 3. SW 3.	49	56	63	Hazy & cloudy in part – with sun between, and many beautiful electric clouds all the forenoon some dappled and curdy, others in parallel curving bars of silvery white. More hazy just before 11am, and cloudy at times during the afternoon. – Heavy shower at 8pm – and the night rainy more or less.
Sunday, Octr. 6.	30·11 ·08 ·04	W 1. SW 3. SW 3.	44	48	61	Very fine and clear; continued bright till 12, afterwards a little hazy, with mixed clouds – but very fine, and chiefly sunny. Evening clouded, but fine, and gentle breeze at SW. less wind during night. –
Monday, Octr. 7.	29·95 30·05 ·12	W 3. NW 3. NW 1.	45	49	59	Very fine and bright with loose cumuli – continued bright with cumuli clouds, and a cool breeze. Evening rather hazy with cirri, afterwards clear, less wind, nearly a calm, & stars bright. –
Tuesday, Octr. 8.	·05 29·99 ·89	Var. 0. SE 3. SE 2.	33	38	56	Hoar frost early. the grass & little plants very stiff and white till near 8am. Clear, but cirri and streaky haze followed during forenoon; a fine day with sun at times but more clouded after 2pm, hazy & a cool breeze.
Wednesday. Octr. 9.	·48 ·36 ·30	SE 4. SE 5. SE 6. 5. 4. & 3.	47	50	61	Hazy, cloudy and windy, clearer near noon with stormy clouds & more wind, flying shower at 1½ pm, afterwards more sun but windy and cold to the feelings during the day, but much warmer in the evening, but very windy & cloudy, Thermomr rising, and at 9 pm 58½, but before midnight it rose to 61°, less wind, cloudy & close, but clear on the WSW horizon. – ☞ In this case the night heat is much greater than that of the day!

October 1844.

1844.	Barometer	Point and force of wind.	Thermometer out of doors lowest early	8 a.m.	highest state	State of Weather, Clouds, &c.
Thursday. Octr. 10.	29·40 ·45 ·57	SSE 3. SSE 2. S 2.	54	57	62	Cloudy – but thin, and a warm breeze, a fine and pleasant forenoon, some sun, a hasty shower at 1pm, afterwards fine & warm, but hazy: Clearer in the West, and the evening clear, stars bright, & a fresh breeze. –
Friday, Octr. 11.	·74 ·84 ·90	SSW 1. SW 2. SW 2.	47	50	63	Very foggy all the morng, cleared after 9 am. exceedingly fine, bright sun, & gentle wind; some rocky cumuli at noon, and a flying shower passing Southward but very near us at 2pm, very bright warm and pleasant afternoon: some clouds during evens; and a few drops. – New moon 11½ pm. –
Saturday Octr. 12. 843	·89 ·81 ·77	S 1. SSE 2. SE 4.	46	51	64	Hazy with mottled cirrostratus, but very fine and some sun: clearer after 12, bright at times, very warm & exceedingly pleasant with thin cirrocumuli & scuds. – Cloudy and close evening, 8pm Thr 59½°; some rain at 9 & 10 pm, and more wind. –
Sunday, Octr. 13.	·64 ·57 ·42	SSE 3. SSE 4. SE 5.	56½	59	64	Sultry and cloudy morng. clearer after 9 am very warm, and a striking scene arrested my attention soon after 8 am – a vast number of bees were humming loudly as they were busied about the blossoms of the ivy on a hazel tree in the garden: this was a real summer music and very unusual. – Very fine and warm day sun at times, mixed clouds, & brisk wind. – Cloudy night, some stars, but very windy & warm.
Monday. Octr. 14.	·50 ·40 ·23	SE 3. SSE 5. SSE 5.	49	54	59	Chiefly clear, some cirri & very fine morng, very bright till near 10, afterwards many stormy looking clouds, rocky & hazy followed by rain at times during the afternoon. Dark, overcast and squally evening, thick rain at times, & the wind gusty. – Very heavy rain at 9 till 11 pm, and less wind. –
Tuesday. Octr. 15.	·78 ·75 ·74	SSE 3. S 3 SW 5. 3. 2. 1.	46	49	60	Chiefly a clear morng but heavy storm clouds in the South, fine till after 1pm, & mostly sunny. Very black round the West at 1pm, followed by a squall of wind, and severe driving storm of rain before 2pm, afterwards sun & no wind, but at 4½ pm again heavy rain & more wind; stormy night rain at times.
Wednesday, Octr. 16.	·07 ·12 ·18	NE 1. NW 3. W 2.	46	47	50	Exceedingly heavy rain from 5 am: continual hard rain all the forenoon & till near 1pm, – afterwards more fair but cloudy & blue haze. Evening cloudy but chiefly fine. Some stars seen at times.
Thursday Octr. 17.	·28 ·40 ·51	WNW 3. NW 4. W 4.	45	48	58	Chiefly bright till after 1pm, with flying clouds, and cool breeze. more cloudy with a little rain at times after 3, evening cloudy but fine, and windy.
Friday, Octr. 18.	·68 ·74 ·87	NW 2. NW 1. SW 0.	42	45	55	Chiefly clear, but some small cirrostrati, a very fine day. some haze and mixed clouds but chiefly light cumuli and sun at times. Very little wind after 1pm – and nearly calm. Showery after 4pm, dark blue clouds & a little hail, afterwards a dark & showery evening. – Night fine & little frosty. –

October 1844.

1844.	Barometer	Point and force of Wind.	Thermometer out of Doors: Lowest State	8 a.m.	Highest State	State of Weather, Clouds, &c.
Saturday, Octr. 19. △ ☿ ♄	29·87 ·81 ·72	SW 0. SW 1. 2-& 3. SW 4.	37	40	53	Clear & little frosty, then haze & dim sun during forenoon; more wind after 12, mixed clouds & sun but thick blue haze came on at 2pm— more clouded and threatening: evening rainy with squalls of wind.
Sunday, Octr. 20.	·62 ·57 ·61	SW 2 SW 1. SW 0.	46	48	57	Fine morning and sunny, but much rippled or ribbed cloud in white parallel waves; very clear and bright till noon, afterwards little hazy with mottled clouds, but very fine and pleasant, sun at times. Clear moon-light evens, little Northern light.—
Monday, Octr. 21.	·70 ·72 ·70	SW 0. S 0. NE ½	43	47	49	Overcast and fast rain from 5 a.m. continual rain, dark and wet day, and scarcely any wind perceptible. Rain increased after sunset, heavy all the evening, and wind round to NE.— wet night more or less.—
Tuesday, Octr. 22.	·75 ·93 30·02	SW 2. WSW 2. WSW 1	45	47	50	Continual rain, but less—: chiefly rain till after 1pm, but lighter; afterwards finer but clouded over.— Evening fine, clearer, fleecy light clouds, and Moon visible.— Fine night, foggy below.
Wednesday, Octr. 23.	·04 ·05 29·96	SE 0. SE 1. E 0.	37	37	55	Very foggy, but clear upward, became bright and clear after 9am: no wind. A very fine, bright, and warm day, some cumuli, & very little wind. Calm & mild evening, sheets of curdled cloud gliding over the moon, —and most beautiful coloured halos round her.—
Thursday, Octr. 24.	·88 ·83 ·85	E 1. NE 3. NE 1.	42	46	52	Much mottled cloud, rather electric during the morning, became more clouded with a little rain during afternoon.— Close air, & warm for a NE wind.— Very close night, cloudy and dripping a little at times.
Friday, Octr. 25.	·87 ·92 ·95	NE 2. N 3. NW 3. 2. 1.	49	51	53	Cloudy, very close and warm, became less cloudy, brisk wind N, but still warm: a little sun and low clouds of mixed forms. All the trees shed their leaves very fast, and the tints of autumn have long been beautiful.— Evening chiefly cloudy and very mild. Wind more West & but gentle.—
Saturday, Octr. 26. Full moon 5 a.m.	·97 30·10 ·22	WNW 1. NE 2 NE 1	47	49	52	Foggy and close, very dark, and rain after 8 am continual gentle rain till after 1pm, afterwards fine but cloudy: rather clearer about the NW horizon: Evening quite clear, and moon very bright. light fleecy clouds during the night.—
Sunday, Octr. 27.	·34 ·39 ·40	NE 0. NE 0. N 0.	46	48	52	Very fine with light clouds and still air, continued very fine, with grey clouds, and very little wind. Evening clear, moon very bright, and no wind.— Very fine and clear night, and fog on the valleys.
Monday, Octr. 28.	·32 ·28 ·27	N 0. N 0. N 0.	36	39	54	Clear above, fog below, very bright and warm in sun as day advanced: more hazy with arcs of cirri during afternoon, and a perfect halo round the sun.— Gay & curdled about the SW & W after 3pm.— and somewhat curdled during evens. and moon bright.

October 1844.

1844.	Barometer	Point and force of Wind.	Thermometer out of Doors: Lowest State	8 a.m.	Highest State	State of Weather, Clouds, &c.
Tuesday, Octr. 29.	30·23 ·16 ·13	E 0. E ½ & 0. SE ½.	39	41	52	Very fine, chiefly clear with light cumuli, and drying air; more clouded in the afternoon but thin and grey clouds, and no wind perceptible except by the smoke.— Very fine and pleasant. Evening hazy with mottled clouds. The foliage much fallen from all trees.
Wednesday, Octr. 30.	·02 29·98 30·01	SE 3. SE 3. SE 1.	43½	46	49	Cloudy morning, and a very drying breeze scattering the leaves thickly from off the trees. Chiefly cloudy but fine till after 4, less wind & a little rain then, only a few drops. Fine evening, less cloudy & less wind— and Barom. again rising a little.
Thursday, Octr. 31.	30·00 29·95 ·91	E 2. E 4. E 5.	43	47	53	Very fine, chiefly loose cumuli & sun, with a drying breeze; a very fine, bright, and pleasant day throughout, light scuds, and very drying and brisk wind. The roads & fields quite dry and clean again, —and the walks deeply covered with leaves.— Windy night, and chiefly cloudy, but the moon visible.—

Results for October 1844.

Barom.	Highest on 27th =	30·40	Thermom. Highest on 3d	68°
	Lowest on 16th =	29·07	Lowest on 8th	33
	Range —	1·33	Range —	35.
	Mean of the month	29·829.	Mean of month	51°1935

The prevailing winds SE, & SW; depth of rain 4·34 Inches, Evaporation 1·75 Inches: and fine days 21 in number.—

This month to the 14th day was chiefly fine and very warm and pleasant, but afterwards rainy and at times cold, and a sudden & early fall of the leaves marked the scene. At the end of the month much Easterly wind and remarkably drying on 30th & 31st. Scarlatina commenced among children towards the close, and autumnal fevers began to prevail.—

November 1844.

1844.	Barometer	Point and force of wind	Thermometer out of doors: lowest state	8 a.m.	highest state	State of Weather. Clouds, &c.
Friday. Novr 1st.	29.77 .67 .59	E 5. E 6. E 6.	45	45	47	Cloudy but lofty, and very fine and drying. the wind boisterous at East, and the clouds grey and deep blue, about the S & SW. very blue and snowy looking: A gleam of sun at 4 pm. Evening clouded with strong wind, but fine. The roads quite dusty.
Saturday Novr 2nd	.39 .39 .45	E 6. E 6. E 5.	40	41	42	Exceedingly stormy, high wind all the night past, and rain began early this morning. — Continual thick drifting rain all day, with strong gale, and very dark. Evening the same, windy, wet, and tempestuous, as before. Night more or less rainy & windy.
Sunday, Novr 3rd.	.51 .52 .53	E 4. N E 4. N E 4 & 5.	37	38	39	Almost continual rain, but less, and rather less wind, still very boisterous & wet, the same all day, and very gloomy, a little snow with the rain at times. Valleys flooded. Evening rather finer, clouds more lofty but blacker - a little snow, and wind gusty. A few stars seen at times.
Monday. Novr 4.	.44 .37 .35	N 1. NW 2. NW 1.	37	40	49	Little sleety showers & sun - a fine rain-bow at 8 a.m. — Chiefly fine & sunny in the day, rocky clouds, & some black with distant showers: A shower here after 3 pm, evening cold, and in part clear. - 8 pm Therm 39°. —
Tuesday. Novr 5.	.32 .35 .38	NW 0. Var. 0. S E 0.	32	33	47	Morning chiefly clear, but foggy below and hoar frost, bright and warm sun till near 1 pm, afterwards cloudy and more so after 3 pm, close, dark and a little wet. very calm & close evening, and a little rain at times. 8 pm Th 42°.
Wednesday. Novr 6.	.35 .41 .46	W ½. NW ½. SW 0. W 0.	38	40	49	Chiefly clear, but soon more cloudy, very dark in NW. and threatening from 8 till 10, afterwards clearer & sunny with cumuli and low clouds - some in a S E current, others from westward. Sun set a deep red between thin cirrostrati. Evening calm, & chiefly clear star-light. 8 pm Th 41°. —
Thursday. Novr 7.	.54 .57 .57	SSE 0. SE 1. SE ½.	36	38	51	Clear above, foggy below, very fine & frosty morning; chiefly sunny & very fine, with cumuli clouds. The sun very warm in the middle of the day. Cloudy evening and very little wind. mild and close. Th 45 at 8 pm. - Cloudy & mild night.
Friday. Novr 8.	.32 .25 .17	SSE 2. S E 3. S E 5.	43	46	55	Very mild & cloudy till 10 a.m, then bright and warm, with a drying wind. More cloudy p.m. cumuli at first, then quite clouded. Mild & stormy evening, windy with rain at times, after 7, and at 8 pm Therm 50°. — Windy night, little hasty shower or two. —
Saturday. Novr 9.	.16 .11 .19	S 2. S 2. S by W 1.	46	47	52	Mild and chiefly clear with red cirrus, cloudy between 9 & 12, rain at times, after noon fair, low clouds, and sun, but at a distance N Werly - some stormy groups of cloud. - Fine evening chiefly clear - Therm at 8 pm 44½. — A little shower during night.

November 1844.

1844.	Barometer	Point and force of wind	Thermometer out of doors: lowest state	8 a.m.	highest state	State of Weather. Clouds, &c.
Sunday, Novr 10. New moon 9½ a.m.	29.34 .25 .10	S 1. SSE 1. SSW 3.	40	40	47	Clear morning, and nearly calm. - little hazy afterwards & became cloudy and wet after 2 pm: fast rain 3 & 4 pm, afterwards fine and cleared up, wind veering more to SW, and the evening chiefly clear, little more wind and Th 43½ at 8 pm. — Showers during night.
Monday, Novr 11.	.21 .42 .55	SW 3. W 3. NW 5. WSW 5.	39	41	46	Windy & clear morng, stormy sky, wind veering with little flying rain & sun between. — More wind & colder but chiefly fine, heavy cumuli and sun. Very windy evening, veering again to W SW, dark clouds and stormy looking. —
Tuesday. Novr 12.	.57 .53 .58	SSE 0. SSW 0. SW 5.	40	41	56	Overcast & thick rain, dark and unpleasant continued so till noon, then rather finer & less cloudy with a little more wind. — Warm, windy, & wet night. Therm highest during night. At 2 pm 48°. at 4 - 49°. at 8 - 53° - & after that 56°. —
Wednesday, Novr 13.	.67 .63 .87	SW 2. WSW 2. NW 2 & 1.	55 to 53	55	56	Almost continual rain, more or less hard, very dark and mild. — Continual very hard rain till near 3. & extreme heavy at 2½ pm. - Finer after 3 - clear evening and but little wind. 8 pm - Th 49° - & at 10 - 47°. Great floods in the valleys more than for some years past.
Thursday, Novr 14.	30.12 .21 .27	SW 0. Var. 0. S E ½.	43	44	51	Chiefly clear, with cirro & haze in streaks, more hazy after 10 - rather thick with some cirrostrati but fine: very calm and mild day. Evening thick, little wet at 6 & 7, afterwards fine but foggy. Therm 47° at 8 pm. —
Friday, Novr 15.	.20 .11 .17	SW 1. SW 5. SW 4.	47	54	57	Cloudy and close morning; more wind after 9 dark raggy clouds, very mild, and a very little wet at times, but chiefly fine. — Evening mild, windy, and in part clearer Cirrocumuli, scuds, & moon. - Th 54° at 9 pm.
Saturday, Novr 16.	.31 .34 .35	SW 1. SW 1. SW 1.	46	46	57	Clear & very fine and bright till 1½ pm, then rather cloudy, but chiefly fine, and exceedingly mild. A very little wet with low fog at 5 pm, but the evening fine with luminous thick cirri, and the moon dim in streaky haze. 8 pm Th 53°. —
Sunday. Novr 17.	.40 .42 .41	WSW 1. WSW 1. WSW 2.	49	53	56½	Clear starlight at 3 & 4 a.m - but soon very foggy, and more or less so all day; very mild and damp. & chiefly foggy. — Thicker fog all the evening and night, little more wind - Therm at 8 pm 50°. -
Monday. Novr 18.	.37 .33 .32	WSW 3. SW 3. SW 2.	47½	49	53	Very foggy with more wind, and the trees dripping. Dark and more or less foggy all the day, but chiefly fine except a very little wetting a time or two. — Therm 50° at 8 pm, still foggy more or less.

November 1844.

1844.	Barometer.	Point and Force of wind.	Thermometer Out of Doors lowest State	8 a.m.	highest State	State of the Weather, clouds, &c.
Tuesday, Novr. 19.	30·28 ·30 ·30	SW 1. SW 0. SW 1.	48	50	52	Cloudy, drying, and lofty looking sky, grey clouds but fine, calm, and pleasant for the season. Evening rather foggy and thicker. Th 49° at 8 pm. —
Wednesday, Novr. 20.	·22 ·23 ·29	SW 2. WSW 2. WSW 1.	46	48	54	Cloudy and drying morng, continued cloudy till noon, very bright from 12 till near 3, afterwards scuds & low clouds. Evening clear, very fine and moon bright. Thermr 47° at 8 pm. —
Thursday, Novr. 21.	·40 ·42 ·41	NW 0. NW 0. SW 0.	37	37	49	Clear, rosy, sun-rise, and a little frost, very fine day, quite clear & bright, a few distant cirri. Eveng clear above, fog below, no wind, Thermr 37° at 8 pm, little frost.
Friday, Novr. 22.	·33 ·29 ·31	N 0. NE 0. NE 0.	33	39	48	A little change, more foggy, & less frost, but clearer after 9, sun & low clouds: a very fine day but mostly cloudy, some dark clouds snowy looking. — Evening clouded with a lofty grey cloudiness.
Saturday, Novr. 23.	·28 ·28 ·29	E 0. E 0. E 0.	40	41	46	Little rain at 5 & 6 a.m., and frequent little sleety showers during the day, dark rocky clouds, and sun at times. — Quite clear in E & SE after 4 pm, and a moonlight eveng with fleecy clouds, & fog below. Thermr 38° at 8 pm. frosty night.
Sunday. Novr. 24.	·17 ·12 ·06	NE 0. NE 0. NE 0.	37	40	42	Lofty grey clouds, calm & pleasant, but a very keen air. The whole day the same as the morning, very fine and calm, but cold, with continued lofty grey cloudiness & drying air. Hazy eveng. moon dim, little sleet at times. Thermr 39° at 8 pm. — Full moon, and total eclipse — 9½ till past midnight. Chiefly cloudy and unfavourable for seeing the eclipse.
Monday. Novr. 25.	·05 ·09 ·17	NW 1. NW 2. NW 1.	37	38	44	More or less hazy and cloudy, and light sleety rain at times, but chiefly fine with a raw and cold atmosphere. — Evening also cloudy but fine. Thermr 40° at 8 pm. The moon was bright this morng at 5 & 6, and sometime after, with silvery cirrostrati about the west. —
Tuesday, Novr. 26.	·31 ·38 ·42	W 0. W 1. W 0.	32	33	43	Quite clear — lovely morning, little frost, a very fine and bright day, no cloud & very little wind; clear sun set, red cirrostratus across west. Clear and frosty night, Thermomr 33° at 8½ pm. —
Wednesday, Novr. 27.	·43 ·39 ·37	SW 0. SW 1. S ½. Var 0.	29	30	45	Clear and very white — hard frost, some very red mottled cirrostrati in the East. — Foggy about 10 a.m., afterwards again bright, very fine — but more hazy with light clouds in mottled beds. Sun set red in haze — and a hazy and dappled eveng, 8 pm Th 37°.

November 1844.

1844.	Barometer.	Point and Force of the wind.	Thermometer out of Doors lowest State	8 a.m.	Highest State	State of the Weather; clouds, &c.
Thursday, Novr. 28.	30·24 ·20 ·15	S 1. S 1. SSE 1.	33	33	46	Hazy & dappled before 7 a.m., afterwards clear and gentle frost. Very fine and bright day, little wind, and hazy Southerly, became cloudy after 3, with a soft mottled sky; cloudy evening, rather close, Thermr at 8 pm 40°. —
Friday, Novr. 29.	·12 ·17 ·22	E 1. E 3. ENE 3.	36½	40	42½	Cloudy morning, and a little sleet about 8 a.m. — dark lofty and snowy looking clouds — more wind and very cold, less cloudy with sun at noon and after, but very cold wind, and threatening snow. — Again more cloudy after 3, and the evening the same. 8 pm 39°.
Saturday. Novr. 30.	·21 ·20 ·20	NE 1. NE 3. NE 1.	37	38	39	Cloudy morning, lofty clouds, some of them dark. — Clearer in the day, chiefly sun, but very cold wind, and drying air. At 7 pm — a little snow — but soon again very clear, and frosty. Thermomr at 8 pm 34°. —

Results for November 1844. —

Baromr.		Thermomr.	
Highest on 27th	30·43	Highest on 15th & 16th	57°
Lowest on 10th	29·10	Lowest on 27th	29.
Range	1·33	Range	28
Mean of month	29·905	Mean of month	44°·41

Prevailing wind SW. Fine days 20, Rain 2·84 In., & Evaporation 0·85 In.

This month proved unhealthy, and scarletina, Catarrhs, and Quinsy prevailed with other kinds of Cynance.
The former part of the month to the 13th exceedingly wet, but the rest of the month very fine, calm, & in general mild, yet some frosts near the end. —

December 1844.

1844.	Barometer	Point & force of wind	Thermometer out of doors lowest	8 am	highest	State of Clouds and Weather.
Sunday, Decr. 1st.	30·23 ·21 ·23	NE 0. NE 1. N 1. NE 1.	34	36	38	Lofty grey clouds, quite cloudy, but fine, and calm: continual cloudiness, darker but still rather lofty, and a little wind; very cold, and a little small snow after 1 pm: very dark & threatening: evening the same, and the Thermometer at 8 pm 36°. –
Monday, Decr. 2nd.	·17 ·11 ·09	NE 1. N 2. NE 2.	36	37	37	Very cloudy, dark, and threatening; a little sleet at times with misty rain: very cold, damp and unpleasant. Evening and night uniformly the same as the (day. Thermr at 8 pm 35°. – very cloudy and dark night.
Tuesday, Decr. 3rd.	·17 ·17 ·23	NE 2. NE 3. NE 4.	35	37	39	Cloudy, very cold, and a little granular snow at times in the forenoon; – clearer afternoon, sun at times with fleecy cumuli. Evening the same – at times quite clear, but frequent small clouds, and very cold wind Thermomr 34° at 8 pm. –
Wednesday, Decr. 4.	·35 ·33 ·32	NE 4. NE 4. ENE 3	33	34	38½	Large and loose clouds with sun, and a dry and very cold wind: chiefly sun, but low cumuli flying. Evening mostly clear, and freezing. Thermr 32° at 9 pm. – Less wind, but very piercing. –
Thursday, Decr. 5.	·24 ·19 ·23	NE 0 NE 2. NE 1.	27	28	38	Quite clear, and sharp frost, and very white. Clear all day, very bright sun, and gentle wind. Clear night and continued sharp frost. Thr 28° at 9 pm. – Some plane clouds in WNW at 5 pm, otherwise clear. The wind to day sometimes ENE. –
Friday, Decr. 6.	·30 ·31 ·34	NE 0. N 0. Var. 0.	22	23	36	Very clear and severe frost, very hard and white, little haze below, and no wind. – Exceedingly fine, calm and bright day. – Some cirri in West at 5 pm, clear eveng, severe frost & no wind. 8 pm Thr 27°. –
Saturday, Decr. 7.	·42 ·42 ·43	E 3. E 3. E 2.	24½	29	34	Cloudy, and rather less frost since midnight, but still very cold & sharp wind – chiefly cloudy, but clearer after 4 pm, evening partly clear, some dark and low clouds, sharp wind frost, Thermr 29° at 8 pm. –
Sunday, Decr. 8.	·31 ·22 ·17	ENE 4. NE 5. NE 4. & 3.	27	29	31	Very sharp & piercing wind frost, chiefly cloudy, a few flakes of snow; continued cloudy, more wind and extremely cold. – At 3 pm Thr 29° – and at 8 pm 27½°. – Overcast evening, threatening snow and a few flakes at times.
Monday, Decr. 9. (New Moon 8 pm.)	·21 ·22 ·23	NE 2. NE 1. NE 2	26	28	30	Snow during the past night, and the ground quite covered. – Cloudy and sharp frost, a few flakes of snow at times but chiefly fine. – Evening quite overcast and less cold than at sun-set, Thermr at 8 pm 30°. –

December 1844.

1844.	Barometer	Point & force of wind	Thermometer out of doors lowest	8 am	highest	State of Clouds, and Weather.
Tuesday, Decr. 10.	30·22 ·17 ·18	NE 3. NE 4. NE 3.	28	29	31	Cloudy, continued frost, and very cold wind; the whole day alike cloudy with sharp wind frost. – Evening the same, and Thermr at 8 pm 29°. – Exceedingly dry and parching. –
Wednesday, Decr. 11.	·08 ·05 ·09	NE 1. NE 1. NE 0.	28	28	31	Cloudy with continued frost, and a very little granular snow at times, but chiefly fine – although quite cloudy. – Very little or no wind, and the roads dusty. Little snow lying in patches. Thr 8 pm 29°. –
Thursday, Decr. 12.	·07 ·01 29·96	ENE 3 E 4. E 4.	28	30	30	Chiefly cloudy, little gleam of sun about 10 a.m, afterwards more clouded but lofty; and very sharp wind frost continues. – The Thermr stood 30° only a short time about 10 a.m, then fell to 28½ – & so continued all the day, and at 8 pm 27½°. –
Friday, Decr. 13.	·75 ·67 ·61	E 4. ESE 4 E 4. & 5. –	25	27	29	Severe wind frost, cloudy, little snow, more cloudy, dark and overcast, snowing faster with very sharp wind. Cloudy evening, but no snow, wind very rough but rather less cold. At 4 pm under 28° – but at 8 pm 29°. – –
Saturday, Decr. 14.	·57 ·61 ·69	E 3. NE 1. NE 1.	27	30	31½	Cloudy, less wind, and not quite so cold, but continued frost, and a little snow at times. Snowing fast after 4 pm, and almost continual gentle snow all the evening. 8 pm Thr 30°, and more snow. Overcast night, snow ceased.
Sunday, Decr. 15.	·73 ·66 ·63	NE 0. NE 1. ESE 2.	29	33	39	Cloudy, little fog, fine with gentle thaw, sun at times; again more cloudy after 3 pm, some large drops of rain from the ESE at 4½ pm: evening clearer, and at 8 pm, stars bright, Thermr 35°. –
Monday, Decr. 16.	·50 ·45 ·50	E 3. NE 1. NE 1.	34	35	38	Cloudy and thick haze, little rain & snow at 9 a.m, afterwards misling & foggy till 3 pm, then fine, but exceedingly foggy. 8 pm very thick fog. Thermr 35°. – very little wind & moon not visible.
Tuesday, Decr. 17.	·44 ·53 ·62	Var. 0. NW 0. W 1. –	35	37	41	Heavy rain at 4 & 6 a.m, afterwards fine but exceedingly foggy all day, no wind or but very little, and much milder than for many days past. 8 pm Thermr 37°. – and continued fog. –
Wednesday, Decr. 18.	·72 ·80 ·94	NE 1. NE 2. NE 3.	35	37	42	Overcast and chiefly raining more or less, very dark and unpleasant. More wind in the evening, and continual light rain – but milder than of late, Thermr at 8 pm 40°, and the Baromr rising fast, with signs of the return of severe weather. The wind fixing remarkably in the NE – quarter.

December 1844.

1844.	Barometer	Wind.	Thermometer out doors: lowest early	8 a.m.	highest	State of the Weather, Clouds, &c.
Thursday, Decr 19.	30.17 -26 -34	NE 2. NE 2. NE 3.	38	38	41½	Overcast and little sleety rain during the morng at times; clearer after 9 - blue and grey clouds & more lofty looking sky. — Some sun at noon and pm. evening in part clear, some snowy looking clouds & cold wind. 8pm Th 36°.
Friday, Decr 20.	-43 -43 -45	NE 4. NE 5. NE 4.	33	33	35½	Clear, very rough and cold wind, a little wind frost, clear all day, and more wind and very cold. Sharp wind frost all the evening. the ground very hard. Thermr 31° at 8pm.
Saturday. Decr 21.	-45 -46 -46	NE 4. NE 4. NE 4.	28	31	35	Winter Solstice, Shortest Day. — Sharp frost, very cold and rough wind, flying clouds and sun: very fine, and chiefly sun during the afternoon. Eveng bright moon and fleecy clouds. — 8pm Therm 31°. —
Sunday, Decr 22.	-39 -32 -31	ENE 5. ENE 5. ENE 4.	29	31	35	Clear, hard frost, and strong wind, very cold & piercing; more cloudy after 4 pm and during evening many large flying clouds, rather less wind, but continued frost. 8 pm. Th 31°.
Monday. Decr 23.	-29 -31 -35	NE 2. NE 1. NE 0.	28	29	34	Very fine, and continued sharp frost, but less wind. Chiefly clear in the forenoon, but cloudy during afternoon; evening calm, less cloudy, moon between. Thermr at 8pm 30°. Clouds passing in a SE current.
Tuesday. Decr 24. Full moon 7½ pm.	-40 -40 -40	SE 0. SE 0. SE 0.	24	29	33	Clear during most of the night past and severe frost, but became cloudy this morng, calm & less severe, but continued frost, very fine, and the day cloudy throughout. A few snow flakes at 10 & 11 a.m. — Eveng cloudy & calm, 8pm Th 31°. —
Wednesday, Decr 25.	-38 -36 -35	ESE 0. ESE 1. ESE 2.	31	32	35	Cloudy, but very fine, and calm, no wind in the morning, gentle frost: more wind after 12, lofty blue and grey cloudiness all the afternoon. very cold and during eveng wind more than before, but quite cloudy — & Th 32° — 8pm. The roads quite dusty again.
Thursday. Decr 26.	-26 -23 -21	SE 1. SE 1. SE 0.	32	33	41	Closer and fog at times, — the middle of the day bright and little thaw, evening again very foggy and gentle frost. Thermr at 8pm 33°. — continual fog and no wind: the moon just visible through the fog. —

December 1844.

1844.	Barometer	Wind.	Thermometer out doors: lowest	8 a.m.	highest	State of the Weather, Clouds, &c.
Friday, Decr 27.	30.18 -17 -17	NE 0. Var. 0. NE 0.	30	31	38	Thick fog freezing in drops upon twigs of trees and shrubs, and very slippery on the surface of the ground. — Continual fog more or less — but not freezing in the mid-day. — Eveng exceeding foggy & frost. Some stars above. Thermr at 8pm 31°. —
Saturday, Decr 28.	-11 -07 -06	SSE 1. SSE 2. SSE 3.	30	34	43	Very thick fog & frost, but soon changed to thaw, clear after 9, bright with cirri, and cirrostrati, and after 3 again cloudy more or less, much milder, and the evening the same with more wind, — Thermr at 8pm 39°. — Little rain at 9 and 10 pm. Night foggy.
Sunday, Decr 29.	-03 -04 -05	SW ½. Var. 0. NE ½.	38	41	44	Exceedingly thick fog the whole day — but no downfall. chiefly calm, and the point of wind variable. Mild and damp and continual fog in the evening, 8pm Thermr 40°. —
Monday, Decr 30.	-09 -13 -17	NW ½. NW 0. NW 0.	35	35	41	Very foggy all the morning, bright sun in the middle of the day, but after 4 — again thick fog. — Evening very foggy below — stars visible upward, and freezing again: Thermr at 8pm 32°: — but higher afterwards.
Tuesday, Decr 31.	-22 -21 -25	NW 0. NW 1. NW 1.	32	37	42	Cloudy and close with much blue fog during the morning: gloomy with more or less fog all day: close evening, a little more wind, and not cold. Thermr 40° at 8pm. Night foggy but much colder than the evening. Thus expires the good old year 1844.

Results for December 1844.

Baromr		Thermr	
Highest on 20th 21st	30.46	Highest on 29th	44°
Lowest on 16th 17th	29.44	Lowest on 6th	22.
range	1.02	range	22
Mean of month	30.125	Mean of month	33.443

Prevailing wind N.E. rain .32 of an Inch, evaporation 1.12! Fine days 27 in number. —

This month was very seasonable, with much frost and dry calm weather. Sickness great with fevers & many inflammatory disorders, Cynance &c. —

General remarks on the bountiful year 1844. —

The Distinguishing features of this Year were the excessive drought of 13 weeks from March 25th to June 24th, the great heat of April, June, & July; the beautiful showers which followed, and the bountiful harvest for which the Lord be praised! —

The highest Barom for the Year was 30·61, on the 29th of March; and the lowest 28·76 on the 26th of February. Mean of the Year 30·01. —

The coldest mornings of the whole year were February 13th Thermometer 20°, and December 6th Thermom 22°; but the month of December was the coldest in the year: and the hottest days were June 13th, 23rd & 24th, & July 22nd. the Therm on June 24th 92°! The hottest for 36 years past! June and July were the hottest months of the year. The mean Temperature of the entire year was 49°·997.

Summary of the year of our Lord 1844.

A table of the winds, rain, evaporation, &c, for the Year.

1844.	E.	W.	N	S	NE.	SE.	NW	SW	Prevailing Winds	Rain.	Evaporation	Number of fine days.
Jany.	1	2½	½	2½	3	½	15½	5½	NW.	1·50	0·73	21
Feby.	1	1	2	2	2	1½	10	9½	NW, & SW.	1·69	1·15	16
March	3	2½	0	0	4½	3½	8½	9	NW. & SW.	2·31	2·02	15
April	4½	9½	1½	4½	1	2	3	4	W.	0·30	4·18	27
May.	5	½	7½	0	13½	2	2½	0	NE, & N.	0·36	4·42	27
June	2½	5½	1	1	2	2½	5½	10	SW.	2·29	5·60	26
July	1	9	0	2	2	5½	6½	5	Westerly.	2·41	4·71	23
Augt.	3	7	0	3½	0	2	9	6½	Westerly.	2·40	3·78	22
Septr.	4½	6½	1	2	8½	3	1	3½	NE. & W.	1·66	2·79	23
Octr.	2	1	2	0	3½	9	4½	9	SE, & SW.	4·34	1·75	21
Novr.	4	3	0	3	4	3½	4	8½	SW.	2·84	0·85	20
Decr.	3	0	0	0	20½	4	3	½	NE.	0·52	1·12	27
1844.	34½	48	15½	20½	64½	39	73	71	NW. SW. & NE.	22·62	33·10	268

1844	Mean Barometer.	Mean Thermometer
January —	30·006.	38°·008.
February —	29·6972.	35·224.
March —	29·864.	41·99.
April —	30·24	54·09 !
May —	30·22.	55·186.
June —	30·09.	62·766.
July —	30·04.	63·29.
August —	29·94	60·338.
September —	30·166.	60·033.
October —	29·829	51·19.
November —	29·905	44·41.
December —	30·125.	33·44.
	12)360·1222	12)599·965
Mean for the Year =	30·0101	49·997